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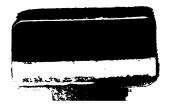


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THE

ANNUAL STATISTICS

OF

MANUFACTURES.

1891.

With compliments of Acrose G. Wadlin,

Chief of Bureau of Statistics of Labor.



THE

ANNUAL STATISTICS

OF

MANUFACTURES.

1891.

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS, 18 Post Office Square. 1892.



Commonwealth of Massachusetts.

BURBAU OF STATISTICS OF LABOR, CLAFLIN BUILDING, 20 BEACON STREET, BOSTON, August 1, 1892.

TO THE HONORABLE SENATE AND HOUSE OF REPRESENTATIVES: '

I have the honor to transmit, herewith, the Annual Statistics of Manufactures for the year 1891, which have been collected and are presented in compliance with Chapter 174, Acts of 1886.

Very respectfully,

HORACE G. WADLIN,

Chief.

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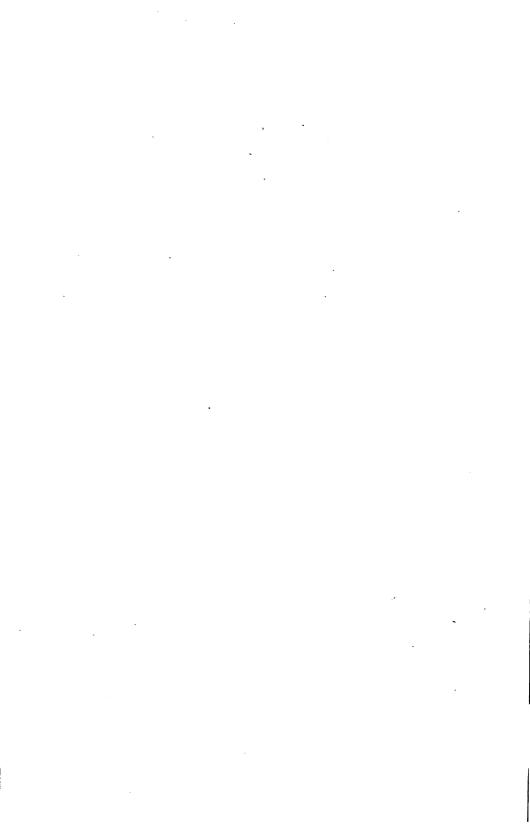
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THE

ANNUAL STATISTICS OF MANUFACTURES.

1891.

INTRODUCTION.

This volume is the sixth report on the Annual Statistics of Manufactures, issued in accordance with the provisions of Chapter 174 of the Acts of 1886.

The large number of returns received during the year enables comparisons to be made for the years 1891 and 1890 between 3,745 establishments in all of the industries considered, each of which made returns in each of these years. This number of returns is much larger than ever before entered into consideration in these annual reports. The number of returns compared in each year beginning with 1886, is as follows:

YEARS.				Number of Establishments Considered		 Y	ARS.		Number of Establishments Considered		
1886,						1,027	1889,				1,364
1887,						1,027	1890,				8,041
1888,						1,140	1891,				3,745

The number of establishments compared in 1891 is nearly four times the number compared in the first volume of the series. This increased number of returns renders the comparisons much more indicative of the actual condition of the industries, and correspondingly increases the value of the reports.

Of course, not all the returns received in 1891 can be compared with those of previous years, as there are new establishments making return for the first time in the last named year, and there are others which for some legitimate reason failed to make return in each of the years.

xiv STATISTICS OF MANUFACTURES. [Pub. Doc.

The whole number of returns received in 1891 was 4,865. A detailed presentation of the output in these follows:

	Number of	VALUE OF GOO WORK	DONE AND	
Industries.	Estab- lishments	Total Value	Average Value per Es- tablishment	
Agricultural implements,	11	\$1,196,237	\$108,749	
Arms and ammunition,	15	2,481,917	165,461	
Artisans' tools,	70	2,792,692	39,896	
Awnings, sails, tents, etc.,	35	485,696	13,877	
Boots and shoes,	829	102,565,305	123,722	
Boxes (paper and wooden),	154	4,913,238	81,904	
Brick, tiles, and sewer pipe,	52	1,704,669	32,782	
Brooms, brushes, and mops,	25	1,364,449	54,578	
Burial cases, caskets, coffins, etc.,	7	377,096	53,871	
Buttons and dress trimmings,	20	1,446,473	72,324	
Carpetings,	13	9,463,796	727,986	
Carriages and wagons,	147	5,117,298	34,812	
Cement, kaolin, lime, and plaster,	6	121,030	20,172	
Chemical preparations (compounded),	11	1,052,753	95,705	
Clocks, watches, and jewelry,	86	6,201,085	72,106	
Clothing,	150	28,072,766	187,152	
Cooking, lighting, and heating apparatus,	40	3,735,176	93,379	
Cordage and twine,	' 84	9,472,093	278,591	
Corks, bungs, and taps,	4	64,150	16,038	
Cotton goods,	166	91,128,368	548,966	
Cotton, woollen, and other textiles,	3	3,673,724	1,224,575	
Crayons, pencils, crucibles, etc.,	4	179,685	44,921	
Drugs and medicines,	25	3,450,677	138,027	
Dyestuffs,	7	1,188,256	169,751	
Earthen, plaster, and stone ware,	6	381,572	63,595	
Electrical apparatus and appliances,	17	10,914,783	642,046	
Electroplating,	11	111,797	10,163	
Emery and sand paper and cloth, etc.,	13	935,867	71,990	
Fancy articles,	7	265,092	37,870	
Fertilizers,	9	2,062,962	229,218	
Fine arts and taxidermy,	8	234,000	78,000	
Fireworks and matches,	3	99,113	33,038	
Flax, hemp, jute, and linen goods,	8	3,074,929	384,366	
Food preparations,	316	68,841,241	217,852	
Furniture,	156	11,065,028	70,930	
Glass,	11	597,056	54,278	
Glue, isinglass, and starch,	17	1,083,442	63,732	
Hair work (animal and human),	10	533,730	53,373	
Hose: rubber, linen, etc.,	5	782,179	156,436	
Hosiery and knit goods,	47	6,099,302	129,772	
Ink, mucilage, and paste,	9	731,411	81,268	
Ivory, bone, shell, and horn goods, etc.,	13	611,401	47,031	
Leather,	227	19,857,525	87,478	
Liquors and beverages (not spirituous),	22	691,229	31,420	
Liquors: malt, distilled, and fermented,	- 55	7,371,034	134,019	
- · · · · · · · · · · · · · · · · · · ·				
Lumber,	30	3,394,354	113,145	

	Number of	Value of Goods Made and Work Done			
Industries.		Estab- lishments	Total Value	Average Value per Es- tablishment	
Metals and metallic goods,		374	\$36,917,473	\$98,710	
Mixed textiles,		14	1,848,082	132,006	
Models and patterns,		10	138,872	13,887	
Musical instruments and materials,		62	5,497,951	88,677	
Oils and illuminating fluids,		9	1,308,633	145,404	
Paints, colors, and crude chemicals,		22	1,468,528	66,751	
Paper and paper goods,		110	26,793,014	243,573	
Perfumes, toilet articles, etc.,		6	840,825	56,804	
Photographs and photographic materials, .		15	815,859	21,057	
Polishes and dressing,		27	1,787,298	66,196	
Printing, publishing, and bookbinding,		33	8,781,837	114,601	
Print works, dye works, and bleacheries, .		46	17,604,580	382,708	
Railroad construction and equipment,		14	3,959,211	282,801	
Rubber and elastic goods,		85	23,826,233	680,750	
Scientific instruments and appliances,		19	1,521,347	80,071	
Shipbuilding,		51	1,496,234	29,338	
Silk and silk goods,		13	4,920,954	378,535	
Sporting and athletic goods,		11	488,043	44,368	
Stone,		214	5,264,455	24,600	
Straw and palm leaf goods,		19	8,897,905	205,153	
Tallow, candles, soap, and grease,		61	3,387,495	55,533	
Tobacco, snuff, and cigars,		46	2,719,154	59,112	
Toys and games (children's),		8	560,934	70,117	
Trunks and valises,		7	269,465	38,495	
Whips, lashes, and stocks,		16	1,176,653	73,541	
Wooden goods,		194	6,346,217	82,712	
Woollen goods,		151	45,193,459	299,294	
Worsted goods,	•	. 24	17,763,813	740,159	
All Industries,		4,865	\$669,935, 835	\$137,705	

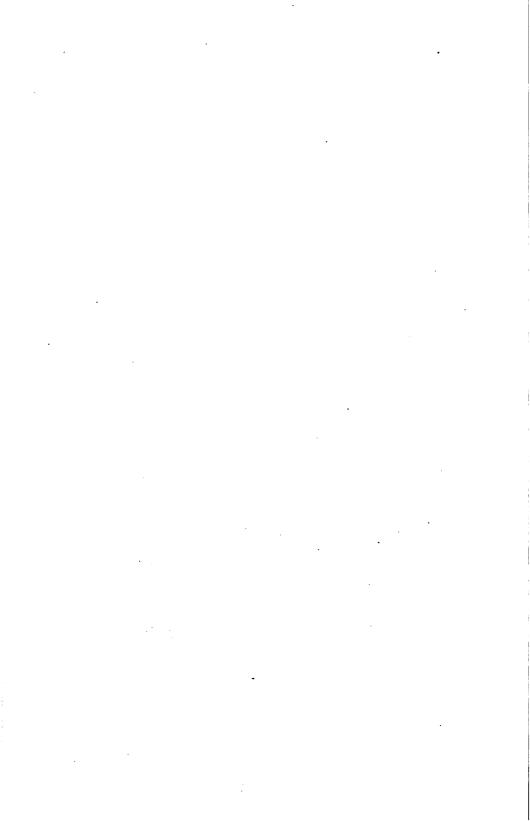
It will be seen from the line of totals in the foregoing table that the total value of goods made and work done in these 4,865 leading establishments is \$669,935,835, a product nearly as large as was turned out in all establishments in the year 1885, as returned in the Decennial Census. This, of itself, implies a large increase in the aggregate output in 1891 as compared with 1885. Direct comparisons between 1890 and 1885 appear in the proper place in the report.

As in previous years, the clerical force engaged in the preparation of this report has been in charge of Mr. Frank H. Drown, the Second Clerk. To him especially, and to the force generally my thanks are due; also to Mr. Charles F. Pidgin, the experienced and efficient Chief Clerk of the Bureau.



STATISTICS OF MANUFACTURES.

1891.



PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS:

BY INDUSTRIES.

1890.

i		Number of	Number	PARTNERS		
	Industries.	Estab- lishments Considered	of Private Firms	Males	Females	
1	Agricultural implements,	11	6	8	_	
2	Arms and ammunition,	12	6	10	-	
3	Artisans' tools,	56	47	63	3	
4	Awnings, sails, tents, etc.,	30	30	41	-	
5	Boots and shoes,	567	*538	*884	9	
6	Boxes (paper and wooden),	141	134	*187	3	
7	Brick, tiles, and sewer pipe,	45	38	58	5	
8	Brooms, brushes, and mops,	21	20	31	2	
9	Burial cases, caskets, coffins, etc.,	6	4	5	-	
10	Buttons and dress trimmings,	17 .	12	19	1	
11	Carpetings,	12	6	.6	-	
12	Carriages and wagons,	96	88	133	-	
13	Cement, kaolin, lime, and plaster,	4	4	8	-	
14	Chemical preparations (compounded),	9	6	7	2	
15	Clocks, watches, and jewelry,	77	71	140	6	
16	Clothing,	113	97	216	4	
17	Cooking, lighting, and heating apparatus, .	31	15	29	-	
18	Cordage and twine,	25	. 8	14	1	
19	Corks, bungs, and taps,	4	4	5	-	
20	Cotton goods,	157	45	181	11	
21	Cotton, woollen, and other textiles,	3	1	3	-	
22	Crayons, pencils, crucibles, etc.,	4	1	2	-	
23	Drugs and medicines,	19	13	20	3	
24	Dyestuffs,	7	3	3	1	
25	Earthen, plaster, and stone ware,	4	4	9	-	
26	Electrical apparatus and appliances,	5	1	1	-	
27	Electroplating,	10	10	15	-	
28	Emery and sand paper and cloth, etc.,	13	2	3	-	
29	Fancy articles,	6	5	8	-	
30	Fertilizers,	7	6	10	-	

¹ Includes 1 estate.

1890.

PAR	rners	Number		810	CKHOLDERS		AGGREGATES:	F
Special Total		of Corpora- tions	Males	Females	Banks, Trustees, etc.	Total	Partners and Stockholders	
_	8	5	71	17	2	90	98	1
-	10	6	99	27	. 8	134	144	2
-	66	9	340	193	44	577	643	8
-	41	-	-	-	- 1	-	41	4
1 19	*912	29	883	74	3	460	*1,372	5
2	*192	7	83	20	2	105	+297	6
-	68	7	164	48	-	212	275	7
- 1	33	1	20	7	3	30	63	8
-	5	2	119	10	4	133	138	9
1	21	5	55	14	3	72	93	10
-	6	6	451	336	154	941	947	11
1	134	8	129	59	6	194	328	12
-	8	-	-	-	- !	-	8	13
-	9	8	26	5	3	84	43	14
´5	151	6	134	27	_	161	312	15
3	223	16	317	122	13	452	675	16
1	30	16	349	69	13	431	461	17
3	18	17	372	129	18	519	537	18
-	5	-	-	-	-	-	5	19
1	93	*112	*9,79 5	*6,288	*2,250	*18,333	*18,426	20
- 1	8	*2	.*198	*137	*111	*446	*449	21
-	2	3	34	20	1	55	57	22
- 1	23	6	124	13	4	141	164	28
_	4	4	34	13	-	47	51	24
_	9	_	-	_	-	-	9	25
-	1	4	1,230	496	-	1,726	1,727	26
-	15	-	-	-	-	-	15	27
-	8	11	95	15	1	111	114	28
_	8	*1	*3	-	-	*3	*11	29
- /	10	1	85	10	-	95	105	30

¹ Includes 1 female.

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1890 — Concluded.

		Number of Estab-	Number	PARTNERS		
	Industries.	lishments Considered	Private Firms	Males	Females	
1	Fine arts and taxidermy,	2	2	8	-	
2	Fireworks and matches,	8	2	4	-	
3	Flax, hemp, jute, and linen goods,	8	5	11	-	
4	Food preparations,	264	239	840	-	
5	Furniture,	120	107	¹ 184	4	
6	Glass,	10	8	12	-	
7	Glue, isinglass, and starch,	14	11	22	-	
8	Hair work (animal and human),	10	10	10	2	
9	Hose: rubber, linen, etc.,	5	2	2	-	
10	Hosiery and knit goods,	40	29	44	2	
11	Ink, mucilage, and paste,	8	8	10	-	
12	Ivory, bone, shell, and horn goods, etc.,	18	18	23	1	
18	Leather.	154	*147	250	-	
14	Liquors and beverages (not spirituous),	12	11	14	-	
15	Liquors: malt, distilled, and fermented,	49	41	63	.3	
16	Lumber	25	23	33	1	
17	Machines and machinery,	263	192	282	9	
18	Metals and metallic goods,	277	199	2 292	11	
19	Mixed textiles,	13	8	11		
20	Models and patterns,	5	5	9	_	
21	Musical instruments and materials,	46	34	52	_	
12	Oils and illuminating fluids,	9	7	12	_	
23		16	11	21		
ы 24		102	*41	84	_	
	Paper and paper goods,	4	8	4	_	
25	Perfumes, toilet articles, etc.,	11	10	13	-	
26	Photographs and photographic materials,	1	16	1 25	3	
27	Polishes and dressing,	18	1 1	27	1.	
28	Printing, publishing, and bookbinding, .	24	15	31	7	
29	Print works, dye works, and bleacheries, .	87	24	81		
30	Railroad construction and equipment,	14	2	_	-	
31	Rubber and elastic goods,	80	13	22	-	
32	Scientific instruments and appliances,	111	9	17	2	
33	Shipbuilding,	42	40	54	-	
34	Silk and silk goods,	9	8	8	1	
35	Sporting and athletic goods,	9	7	9	-	
36	Stone,	111	99	165	5	
37	Straw and palm leaf goods,	17	14	32	1	
88	Tallow, candles, soap, and grease,	55	52	72	1	
9	Tobacco, snuff, and cigars,	35	32	1 54	1	
Ю	Toys and games (children's),	8	5	8	2	
1	Trunks and valises,	7	7	11	-	
12	Whips, lashes, and stocks,	15	8	12	1	
13	Wooden goods,	149	139	188	4	
14	Woollen goods,	138	*105	⁸ 155	7	
15	Worsted goods,	21	12	22	1	
16	ALL INDUSTRIES,	3,745	2,987	4 4,731	121	

¹ Includes 1 estate.

³ Includes 2 estates.

² Includes 1 estate and 2 firms.

⁴ Includes 7 estates and 2 firms.

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1890 — Concluded.

PART	WES.	Number									
Special	Total	of Corpora- tions	Males	Females	Banks, Trustees, etc.	Total	Partners and Stockholders				
- !	3	-	-	-	-	-	8				
- 1	4	1	7	-	- 1	7	11	l			
-	11	8	25	24	8	57	68				
2	342	+25	289	48	8	840	682	1			
6	194	18	292	99	24	415	609				
-	12	2	20	-	-	20	82				
1	23	8	20	-	4	24	47				
-	12	-	•	-	-	-	12				
-	2	8	49	14	1 1	64	66	ı			
-	46	*11	*473	+253	+220	+946	+992	ľ			
-	10	-	-	-	-	-	10	:			
-	24	-	-	-	-	-	24	1:			
2	252	7	53	23	41	117	369	1			
-	14	1	16	7	- 1	28	87	1			
_	66	*8'	60	-	- 1	60	126				
_	34	2	17	8	_	25	59	L			
12	293	+71	1,170	841	133	1,644	1,937	l			
I	303	78	1,829	518	77	1,919	2,222	1			
_	11	5	23	6	1	80	41				
_	9	_			[-		1			
-	52	12	122	50	_	172	224				
_	12	2	85	21	1	57	69	١.			
1	22	5	99	11		110	132	١.			
_ 1	84	*61	791	853	51	1,195	1,279				
_	4	1	8	-	"	8	7	l			
_	13	i	17	-	_	` 17	80				
-	28	2	10	3	_	18	41				
-	28	9	61	12	85	108	186				
-	26 88	*13	*548	*426	*812	*1.286	*1,824	:			
-	8		24	3	2	29					
11	23	12 *17	*5 8 5	295	47	*877	82 *900	ı			
-1		1			•"		11	1			
-	19	2	34 22	6		40 28	59	3			
8	57	2		6	-		85	1			
-	4	6	149	84	-	183	187	3			
-	9	2	7	1		8	17	3			
-	170	12	225	96	9	830	500	1			
-	83	8	18	8	-	26	59	1			
-	78	8	10	1	-	11	84	1			
-	5 5	8	38	1	-	39	94	1			
-	10	8	19	-	-	19	29	1			
-	11	[-	-	-	-	11	4			
1	14	7	106	23	5	134	148	4			
11	193	10	119	13	1	133	326	4			
1	163	*33	*569	*3 08	141	*1,018	*1,181	4			
	23	*9	+302	*98		*411	*434	1			
257	4,909	730	21,517	10,618	8,290	35,425	40,334	۱,			

¹ Includes 1 female.

² Includes 4 females.

1891.

	·	Number of	Number	Partners		
	Industries.	Estab- lishments Considered	of Private Firms	Males	Females	
1	Agricultural implements,	11	6	8	_	
2	Arms and ammunition,	12	5	9	-	
3	Artisans' tools,	56	47	61	3	
4	Awnings, sails, tents, etc.,	80	30	41	-	
5	Boots and shoes,	567	*585	*879	7	
6	Boxes (paper and wooden),	141	133	*187	3	
7	Brick, tiles, and sewer pipe,	45	38	57	4	
8	Brooms, brushes, and mops,	21	20	32	1	
9	Burial cases, caskets, coffins, etc.,	6	4	5	-	
10	Buttons and dress trimmings,	17	11	17	-1	
11	Carpetings,	12	6	6	-	
12	Carriages and wagons,	96	87	¹ 128	-	
13	Cement, kaolin, lime, and plaster,	4	4	7	-	
14	Chemical preparations (compounded),	9	6	7	2	
15	Clocks, watches, and jewelry,	77	71	148	5	
16	Clothing,	113	95	209	2	
17	Cooking, lighting, and heating apparatus,	31	16	31	-	
18	Cordage and twine,	25	8	12	1	
19	Corks, bungs, and taps,	4	4	5	-	
20	Cotton goods,	157	43	1 72	10	
21	Cotton, woollen, and other textiles,	8	. 1	3	-	
2 2	Crayons, pencils, crucibles, etc.,	4	1	2	-	
23	Drugs and medicines,	19	14	21	4	
24	Dyestuffs,	7	8	4	1	
25	Earthen, plaster, and stone ware,	4	8	5	-	
26	Electrical apparatus and appliances,	5	1	1	-	
27	Electroplating,	10	10	15	-	
28	Emery and sand paper and cloth, etc., .	13	2	3	-	
29	Fancy articles,	6	5	8	-	
30	Fertilizers.	7	6	10	-	

¹ Includes 1 estate.

1891.

PAR	TNERS	Number		8то	CKHOLDERS		AGGREGATES:	Γ
Special	Total	of Corpora- tions	Males	Females	Banks, Trustees, etc.	Total	Partners and Stockholders	L
-	8	5	63	20	1	84	92	1
-	9	7	108	25	1	134	143	2
-	64	9	838	211	54	603	667	8
- i	41	-	-	-	-	-	41	4
1 10	*896	32	413	74	3	490	+1,386	5
2	*192	8	. 76	17	2	95	*287	6
-	61	7	165	46	-	211	272	7
-	33	1	20	11	4	35	68	8
-	5	2	119	10	5	134	139	9
1	19	6	60	17	3	80	99	10
-	6	6	481	839	177	947	953	11
3	181	9	117	57	17	191	322	12
-	7	-	-	-	- 1	-	7	13
-	9	3	26	4	3	83	42	14
2	155	6	139	25	-	164	819	15
1	212	18	405	150	22	577	789	16
-	31	15	202	56	7	265	296	17
8	16	*17	863	126	15	504	520	18
-	5	-	-	-	-	-	5	19
1	83	*114	*9,869	* 6,513	*2,445	+18,827	*18,910	20
-	8	+2	•197	*138	*117	*452	*455	21
-	2	3	47	37	1 1	85	87	22
	25	5	64	29	4	97	122	23
-	5	4	34	13	-	47	52	24
-	5	1	10	2	-	12	17	25
-	1	4	1,684	687	20	2,391	2,392	26
-	15	-	-	-	-	-	15	27
-	3	11	92	16	1 1	109	112	28
-	8	*1	*8	-	-	*3	*11	29
-	10	1	87	10	-	97	107	30

¹ Includes 1 female.

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1891 — Concluded.

		Number of	Number	Partners		
	Industries.	lishments Considered	Private Firms	Males	Female	
1	Fine arts and taxidermy,	2	1	1	-	
2	Fireworks and matches,	3	2	5	-	
3	Flax, hemp, jute, and linen goods,	8	5	11-	-	
4	Food preparations,	264	238	339	3	
5	Furniture,	120	106	1 187	5	
6	Glass,	10	8	11	1	
7	Glue, isinglass, and starch,	14	11	25	1	
8	Hair work (animal and human),	10	10	7	3	
9	Hose: rubber, linen, etc.,	5	2	2	-	
0	Hosiery and knit goods,	40	27	42	2	
1	Ink, mucilage, and paste,	8	8	10	-	
2	Ivory, bone, shell, and horn goods, etc., .	18	13	22	1	
3	Leather.	154	*143	1 233	1	
4	Liquors and beverages (not spirituous), .	12	11	13	-	
5	Liquors : mait, distilled, and fermented, .	49	41	64	3	
6	Lumber.	25	23	33	1	
7	Machines and machinery,	263	189	1 277	8	
8	Metals and metallic goods,	277	196	2 290	10	
9		13	7	9	-	
0	Models and patterns,		5	9	-	
1	Musical instruments and materials,	46	83	50	_	
2	Oils and illuminating fluids,	9	7	11	-	
3	Paints, colors, and crude chemicals,	16	11	19	_	
4	Paper and paper goods,	102	*40	83	-	
5		4	3	3	_	
6		11	10	13	-	
7	Polishes and dressing,	18	16	26	3	
8	Printing, publishing, and bookbinding,	24	14	27		
9	Print works, dye works, and bleacheries,	37	23	27	4	
0	Railroad construction and equipment,		2	3	1]	
		30	14	26	1 1	
1	1 To		9	17	2	
2	1 · · · · · · · · · · · · · · · · · · ·	42	40	54] [
3	Shipbuilding,	9	2	1	1	
4	Silk and silk goods,	9	7	8	1 -	
5	Sporting and athletic goods,	111	99	161	6	
6	Stone,		14	33	1	
7	Straw and palm leaf goods,	17	52	33 72	1	
8	Tallow, candles, soap, and grease,	1		149	1	
9	Tobacco, snuff, and cigars,	35	81	* 49 8	1	
0	Toys and games (children's),	8	5		2	
1	Trunks and valises,	7	7	11	-	
2	Whips, lashes, and stocks,	15	8	14	-	
3	Wooden goods,	149	188	191	8	
4	Woollen goods,	138	*105	1 154	9	
5	Worsted goods,	21	11	20	1	
6	ALL INDUSTRIES,	3,745	2,952	8 4,661	118	

¹ Includes 1 estate.

² Includes 2 estates.

⁸ Includes 9 estates.

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1891 — Concluded.

i	AGGREGATES:		EHOLDERS	Number	PARTNERS			
	Partners and Stockholders	Total	Banks, Trustees, etc.	Females	Males	of Corpora- tions	Total	Special
ı		9	1	-	8	1	1	-
1	8	3	-	-	3	' 1	5	-
	69	58	7	26	25	. 3	11	-
١	825	480	5	74	401	*26	345	3
ì	620	423	43	113	267	14	197	5
1	32	20	-	1	19	2	12	-
•	48	22	-	1	21	8	26	-
1	10	-	-	_	-	-	10	-
i	103	101	5	12	84	3	2	-
•	*1,002	*957	*228	+290	*439	*13	45	1
	10	-	-	_	-	-	10	-
•	24	-	_	_	-	-	24	11
	449	213	43	46	124	11	236	2
1	39	26	-	7	19	1	13	-
į	134	67	-	1	66	+8	67	-
١	75	41	8	17	21	2	34	-
	2,495	2,205	145	522	1,538	*74	290	15
	2,219	1,919	124	508	1,287	81	300	- 1
	63	54	1	9	44	6	9	-
	9	-	- 1	_	_	_	9	_
	263	213	4	56	153	13	50	-
	72	61	1	21	39	2	11	_
ĺ	122	102	-	8	94	5	20	1
	1,278	1,195	50	358	787	*62	83	-
ì	6	3	_	_	3	1	8	_
į	31	18	_	_	18	1	13	_
i	45	16	_	8	13	2	29	_
	118	91	25	11	55	10	27	_
	*1,364	*1,331	*322	*446	*563	*14	33	2
	43	40	2	7	31	12	8	-
į	*899	*872	53	291	*528	*16	27	-
	58	39	1	5	33	2	19	-
	84	29	3	5	21	2	55	11
	242	240	6	47	187	7	2	_
	16	8	_	1	7	2	8	-
i	496	829	9	98	222	12	167	-
	60	26	_	9	17	3	34	-
	84	11	_	1	10	8	78	- !
	89	39	1	1	37	4	50	-
I	28	18	_	_	18	3	10	- 1
-	11	_	-	_	_	-	11	-
	155	141	2	80	109	7	14	-
	344	150	3	16	131	l ii l	194	-
	*1,194	*1,030	166	*323	*541	*83	164	1
	*449	*428	*36	*108	*284	*10	21	-
1	42,451	87,627	3,661	11,479	22,487	762	4,824	3 45

¹ Includes 1 female.

² Includes 4 females.

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES—1890, 1891—Continued.

RECAPITULATION. BY NUMBER ONLY. ALL INDUSTRIES.

[In the following presentation, a classification of partners and stockholders by number is given. The duplications in the preceding presentations, explained in the head-notes (pages 4, 5, 8, and 9), are eliminated so that the actual number of private firms and corporations and partners and stockholders, engaged in carrying on the 3,745 establishments, is shown for both years. The decrease of three establishments in 1891 as compared with 1890 is accounted for by changes in management.]

CL	SSIFI	CATI	on c	F				SER OF SHMENTS	NUMBER OF PARTNERS AND STOCKHOLDER		
PARTNER					ers.		1890	1891	1890	1891	
	Pari	tners	,.				2,987	2,952	4,909		
l partner, .					_		1,645	1,656	1,645	1.656	
2 partners,	:	:	:	:	÷	- : 1	933	894	1,866	1,788	
partners,							300	295	960	885	
l partners,						.	70	68	280	272	
partners,	•					.	24	23	120	115	
partners,	•	•	•	•	٠	•	8	7	48	42	
partners,	•	•	٠	•	•	•	6	6	42	42	
3 partners,	•	•	•	•	•	•	1	3	∥ °	24	
	tock/	roide	rs.				730	762	35,425	87,627	
l stockholder, 2 stockholder		•	•	•	•	•	1 7	2 5	1 14	2 10	
stockholder		•	•	•	•	• 1	81	85	243	255	
stockholder		:	:	•	:		64	78	256	292	
stockholder		:	:	:	:		60	60	300	800	
stock holder	,						46	52	276	312	
stockholder							27	24	289	168	
stockholder:							34	87	272	296	
stockholder:	١,	•				•	18	13	162	117	
stockholder	,	•	•	•	•	•	15	27	150	270	
stockholden		•	•	•	•	•	19 · 8	17 9	109	187 108	
stockholder: stockholder:		•	•	•	•	•	12	111	156	143	
stockholder		•	•	•	•	•	15	13	210	182	
stockholder		:	:	:	:		14	13	210	195	
stockholder							11	12	176	192	
stockholder	,						13	13	221	221	
stockholder					•	- 1	8	7	54	126	
stockholder		•	٠	•	•	•	4	5	76	95	
) stockholden I stockholden		•	٠	•	•	•	4 5	4 3	80 105	80 63	
stockholder:		•	•	•	•	•	7	9	154	198	
stockholden		•	•	•	•	:	÷	, ,	161	46	
stockholden		:	•	•	:	:	ż	2 8	168	192	
stockholder		:	:	:	:		6	l š	150	100	
stockholden							2	5 7	52	130	
stockholder							8	7	216	189	
stockholder		•	•		•	•	8	3	84	84	
stockholder		•	•	•	•	•	5	7 6	145	203	
stockholder		•	•	•	•	•	4	١ ١	120	180	
l stockholder: 2 stockholder:		•	•	•	•	•	5 8	6 3	155 256	186 96	
stockholder stockholder		•	•	•	•		-	2	250	. 66	
stockholder		:	:	:	:		4	6	136	204	
stockholder						:	3	4	105	140	
stockholder	,						8		108	108	
i stock ho lderi	,						4	3 5 3	148	185	
stockholder		•			•		4	3	152	114	
etockholderi		•	•	•	•	•	. 3	2	117	78	
stockholden		•		•	•	•	2 2	2 2 2 6	80	80	
l stockholder		•	•	•	•	•	2 2	2	82 84	82 252	
stockholder stockholder		•	•	•	•		2	2	86	252 86	
s stock holder L stock holder		:	•	:	:	:	2 2	1 2	88	-	
stockholder			:	:	:	:	ĩ	ī	45	45	
stockholder		:	:		÷		8	1	138	46	
stockholden							2	l ī	94	47	

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1890, 1891 — Continued.

RECAPITULATION. BY NUMBER ONLY. ALL INDUSTRIES —Continued.

CLASSII	PICATI	on o					BER OF ISHMENTS	Number of Partners and Stockholde		
PARTNERS AN				RS.		1890	1891	1890	1891	
Stockho	ldera -		n.		İ				<u> </u>	
8 stockholders.					.	1	6	48	288	
9 stockholders,						_	2	-	98	
0 stockholders,	•			•	•	3	-	150		
1 stockholders,	•	•	•	•	•	2	8	102 208	153 208	
2 stockholders,	•	•	٠	•	•	4 3	4 5	159	208 265	
3 stockholders, 4 stockholders,	•	•	•	•		4	8	216	162	
5 stockholders,	:	:	:	:			3	220	165	
6 stockholders,						4 2 1 3 2 2 2 4 1 1	3 1	112	56	
7 stockholders,		•		•	.	1	1	57	57	
8 stockholders,	•	•	•	•	•	8	1	174	58	
9 stockholders,	•	•	•	•	•	2	2	118	118 240	
0 stockholders,	•	•	•	•	•	2	1	120 122	61	
il stockholders, 2 stockholders,	•	•	•	•	•	4	l i	248	62	
3 stockholders,	:	:	:	:	: !	i	2	63	126	
4 stockholders,			·		. 1	ī	2	64	64	
5 stockholders,					.	2 2	2	130	130	
6 stockholders,	•			•			3	132	198	
7 stockholders,	•	•	•	•	• {	4 3 1 2	2	272	134	
8 stockholders,	•	•	•	•	•	4	1	207	68 138	
9 stockholders, 0 stockholders,	•	•	٠	•	•	1	2	70	70	
1 stockholders,	•	•	:	:		2	2	142	142	
4 stockholders,	:	:	:	:		=	2		74	
5 stockholders,					.	-	1	-	75	
6 stockholders,						2	-	152		
7 stockholders,	•	•	•	•	•	-	1	-	77	
8 stockholders,	•	•	•	•	•	ī	3	79	234 237	
9 stockholders, 0 stockholders,	•	•	٠	•	•	4	3 2	320	160	
l stockholders,	•	•	•	•	:	ī	i	81	81	
2 stockholders,	:	:	·	·	.	1 1	Ž	82	164	
i stockholders,						-	1	 	85	
6 stockholders,	•	•			•	3	1	258	86	
7 stockholders,	•	•	٠	•	•	1	ī	87	88	
8 stockholders, 0 stockholders,	•	•	•	•	•	_	1 2	88	180	
1 stockholders,	•	•	•	•		ī	2	91	91	
2 stockholders,	:	:	:	:		î	2	92	184	
3 stockholders,						1	1	93	93	
5 stockholders,						2	1	190	95	
6 stockholders,			•	•		2 2	l =	192	-	
7 stockholders,	•	•	•	•	•		2	194	194	
9 stockholders, 4 stockholders,	•	•	•	•		ī	1 -	104	99	
5 stockholders.	•	:	•	•		2	Ī	210	105	
9 stockholders.	·		÷			-	2	11	218	
2 stockholders,						1	-	112	i -	
3 stockholders,			•	•		-	1	l	113	
5 stockholders,	•	•	•	•	•	1	;	115	1	
7 stockholders,	•	•	•	•	•	1	1	117 118	117	
8 stockholders, 9 stockholders,	•	•	•	•	.		ī	110	119	
0 stockholders,	•	•	•	•	:1	ī	i	120	120	
2 stockholders,	:	:	:	:		-	l î		122	
4 stockholders,					.	-	1	-	124	
5 stockholders,						-	1		125	
8 stockholders,			•	•	•	1	-	126		
7 stockholders,	•	•	•	•	•	2	1	05.0	127	
8 stockholders,	•	•	•	•	•	ž	-	256 129	_	
9 stockholders, 0 stockholders,	•	•	•	•	:	-	ī	129	130	
il stockholders,	:	:	:	:	:	_	i	11 -	131	
3 stockholders,	:				.	1	1 -	133	_	
4 stockholders,	-				!	ī	l –	134	l _	

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES—1890, 1891—Continued.

RECAPITULATION. BY NUMBER ONLY. ALL INDUSTRIES — Continued.

					- Continu			
CLASSIE	ZICATIO	ON OF				BER OF ISHMENTS	PARTNERS AND	BER OF STOCKHOLDERS
l'artners an			DERS.		1890	1891	1890	1891
Stockhol	lders –	– Con						
136 stockholders,					1	2	136	272
139 stock holders,	•	•		•	;	1	140	139
140 stock bolders, 141 stock bolders,	•	•		•	1		141	1 -
143 stockholders,	:	:	: :	:	-	1	1	143
144 stock holders,					-	1	-	144
45 stockholders,	•	•		•	1	-	145 148	-
148 stockholders, 150 stockholders,	•	:	• •	:	3	2	450	800
151 stockholders.	:	:	: :	:	3 1	_	151	_
53 stock holders,					-	1	-	153
154 stock holders,	•	•		•	-	1 1	1 -	154 155
l55 stockholders, l56 stockholders,	•	:		•	_	i	11 -	156
64 stockholders,	:	:	: :	:	1	2	164	328
169 stockholders,					1	-	169	-
176 stock holders,	•	•	• •	•	2	1	S54	176
77 stockholders, 79 stockholders,	•	•		:	2	ī	304	179
184 stockholders,	:	:	: :		1	-	184	1
187 stockholders,					1	-	187	
193 stock holders,	•	•		•	ī	1	195	193
95 stockholders, 197 stockholders.	•	•		:	2		394	1 -
99 stockholders,	•	:	: :			2	-	398
02 stockholders,	•	•			1	-	202	
205 stockholders,	•	•		•	ī	1	-	205
208 stockholders, 210 stockholders,	•	•		٠		1 2	208	208 420
210 stockholders,	:	:	: :	:	1 1	1 1	214	-
218 stockholders,	•	•			1	_	218	<u>-</u>
22 stockholders,				•	-	1	-	222
25 stockholders, 27 stockholders,	•	•		•	ī	1 -	2:27	225
33 stockholders,	:	:	: :	:	î	_	233	-
234 stockholders,	•				1	-	234	
36 stockholders,	•	•		•	-	1	-	236 238
238 stockholders, 240 stockholders,	•	•		•	ī	1 1	240	200
242 stockholders,	:	:	: :	:	_	1		242
245 stockholders,	. •				1	-	245	-
246 stockholders,	•	•		•	=	1	250	246
250 stockholders, 251 stockholders,	•	•	• •	•	1	ī	251	251
252 stockholders,	:	:	: :	:	î	1	252	252
253 stockholders,					1 1 1 1 1	1	253	253
254 stockholders,	•	•		•	1	-	254 255	-
255 stockholders, 256 stockholders,	•	•		•	-	ī	255	256
257 stockholders,	:	:	: :	:	_	î	_	257
58 stockholders,		•			-	1	-	258
59 stockholders,		•		•	=	1	000	259 263
263 stockholders, 275 stockholders,	•	•		•	1	1 2	263	550
277 stockholders,	•	:	: :	:	1	1 2	277	-
89 stockholders,					1	-	289	-
90 stockholders,	•	•	٠	•	1	:	290	205
295 stockholders,	•	•		•	-	1	11 - 1	295 299
299 stockholders, 300 stockholders,	:	:	• •	:	ī	1	300	300
302 stock holders,	:		• •			i	-	302
309 stock holders,					ī 1	-	309	-
334 stock holders,		•		•	1	ī	334	340
M0 stockholders, S53 stockholders,	•	•	• •	:	2	1 -	706	- ONEU
356 stockholders,	:	:	: :	:	ı =	1		356
JUL INCOMMORATION,	•	•	•	•	1	1	ĮI.	1

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1890, 1891 — Concluded.

RECAPITULATION. BY NUMBER ONLY. ALL INDUSTRIES — Concluded.

CLASSIFICATION OF			ER OF	Number of Partners and Stockholder		
PARTNERS AND STOCKHOLDERS.		1890	1891	1590	1891	
Stockholders - Con.						
360 stockholders,	.	-	1	-	360	
362 stockholders,		-	1	- 1	362	
363 stockhoiders,	.	1	-	868	-	
864 stockholders,	.	-	1	-	364	
370 stockholders,		1	1	370	370	
371 stockholders,		1	-	371	-	
372 stockholders,	.	1	1	372	372	
374 stock holders,	.	ī	_	374	-	
380 stockholders,		-	1	-	880	
392 stockholders	.	1	1	892	392	
894 stockholders		-	1	-	394	
408 stockholders,		3	_	1,224	-	
413 stockholders	. 1	-	1	_	413	
415 stockholders		1	ī	415	415	
421 stockholders			ī	- 1	421	
424 stockholders,		-	ī	11 - 1	424	
429 stockholders,		1 1	_	429		
432 stockholders,	1	i l	1	432	482	
437 stockholders,		î	-	437		
439 stockholders,	•	î l	_	439	_	
440 stockholders	٠,	i	_	440	_	
443 stockholders		2	1		443	
447 stockholders	• 1	_	î	11 _ 1	447	
448 stockholders	. 1		î		448	
455 stockholders	. 1		i	II - I	455	
471 stockholders,	.	ī	-	471	400	
495 stockholders	•		ī	7'1	495	
530 stockholders,	.	ī		580	200	
535 stockholders	- 1	<u> </u>	ī	•••	585	
716 stockholders,	•	ī	-	716	000	
725 stockholders,	•	- 1	ī	110	725	
754 stockholders,	•	ī		754	120	
755 stockholders,	•		ī	154	755	
	•	ī		700	199	
793 stockholders,	•		-	798	-	
802 stockholders,	•	-	1	1 - 1	802	
370 stockholders,	- }	- 1	1	070	870	
373 stockholders,	- 1	ī	-	873	-	
226 stockholders,	• 1	1	:	926	-	
61 stockholders,	•		1	1 2 2 2	961	
340 stockholders	.	1	=	1,640		
294 stockholders,	•		_1	1	2,294	
dilroad corporations,	• }	10	10	*10	*10	
ndicates,	.	5	5	+5	*5	

^{*} Called "one stockholder" to each corporation and syndicate. Actual number of stockholders not returned.



CAPITAL INVESTED:

BY INDUSTRIES.

CAPITAL INVESTED: BY INDUSTRIES.

1890, 1891.

[In this presentation, the figures given under "Amount of Capital Invested" represent the returns made by the same establishments, in each industry, for the years 1890 and 1891, the whole number of establishments considered in "All Industries" being 3,745. Comparison is made, as regards the amount of capital invested, between these two years. The relative increase or decrease in 1891 as compared with 1890 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments	AMOUT CAPITAL I		INCREASE (+), OR DECREASE (-), IN 1891	
	Con- sidered	1890	1891	Amounts	Percent- ages
Agricultural implements,	11	\$1,485,535	\$1,283,071	-\$202,464	-13.63
Arms and ammunition,	12	4,704,047	4,646,157	57,890	-1.23
Artisans' tools,	56	2,738,999	2,813,628	+74,629	+2.72
Awnings, sails, tents, etc.,	80	148,466	151,560	+3,094	+2.08
Boots and shoes,	567	27,790,899	27,507,315	-283,584	-1.02
Boxes (paper and wooden),	141	2,300,607	2,378,995	+78,388	+3.41
Brick, tiles, and sewer pipe,	45	1,262,495	1,318,245	+55,750	+4.42
Brooms, brushes, and mops,	21	818,341	818,831	+490	+0.06
Burial cases, caskets, coffins, etc., .	6	311,724	423,459	+111,735	+35.84
Buttons and dress trimmings, .	17	875,022	916,561	+41,539	+4.75
Carpetings,	12	7,905,635	7,687,708	-217,927	-2.76
Carringes and wagons,	96	3,067,800	8,039,795	28,005	-0.91
Cement, kaolin, lime, and plaster, .	4	43,500	53,000	+9,500	+21.84
Chemical preparations (compound-					
ed),	9	735,994	743,707	+7,713	+1.05
Clocks, watches, and jewelry, .	77	5,102,538	5,805,554	+203,016	+3.98
Clothing,	113	10,609,728	10,862,675	+252,947	
Cooking, lighting, and heating ap-				. ,	i i
paratus,	31	2,849,325	2,821,217	-28,108	-0.99
Cordage and twine,	25	6,352,588	6,639,628	+287,040	+4.52
Corks, bungs, and taps,	4	22,680	29,000	+6,320	+27.87
Cotton goods,	157	114,947,374	117,933,102	+2,985,728	+2.60
Cotton, woollen, and other textiles,	3	3,535,953	8,535,953	*=	*==
Crayons, pencils, crucibles, etc., .	4	157,500	186,000	+28,500	+18.10
Drugs and medicines,	19	1,211,399	1,350,018	+138,619	+11.44
Dyestuffs,	7	658,200	658,000	-200	-0.03
Earthen, plaster, and stone ware, .	4	294,000	283,000	11,000	-3.74
Electrical apparatus and appli-				,	
ances,	5	10,258,480	10,220,418	-38,062	-0.37
Electroplating,	10	47,400	47,400	*=	*==
Emery and sand paper and cloth, etc.,		802,861	781,682	-21,179	
Fancy articles,	6	81,000	78,660	-2,340	-2.89
Fertilizers,	7	159,970	159,470	-500	
Fine arts and taxidermy,	2	32,000	7,000	-25,000	
Fireworks and matches	3	38,791	42,000	+3,209	+8.27
Flax, hemp, jute, and linen goods, .	8	2,090,361	2,403,554	+313,198	
Food preparations	264	15,024,118	16,517,420	+1,493,307	+9.94
				1 -,,	1

^{*} No change reported.

CAPITAL INVESTED: BY INDUSTRIES-1890, 1891-Concluded.

Industries.	Number of Estab- lishments	AMOU CAPITAL	NT OF INVESTED	INCREASE OR DECREASE 1891	E (—), IX
	Con- sidered	1890	1891	Amounts	Percent- ages
Furniture,	120	\$7,120,072	\$5,817,024	\$1,303,048	-18.30
Glass,	10	423,300	456,000	+32,700	+7.78
Glue, isinglass, and starch,	14	1,049,365	1 ' '	1	' '
Hair work (animal and human), .	10	205,500			l
Hose: rubber, linen, etc.,	5	890,800	895,500	+4,700	I .
Hosiery and knit goods,	40	4,117,184	4,219,478	+102,294	
Ink, mucilage, and paste.	8	801,500			
Ivory, bone, shell, and horn goods, etc.,	13	207,300			
Leather	154	9,039,011			1
Liquors and beverages (not spirit-	104	8,008,011	0,212,100	-020,210	
uous),	12	163,500	172,500	+9,000	+5.50
Liquors: malt, distilled, and fer-					
mented,	49	5,602,129		+184,662	
Lumber,	25	1,434,185		+1,485,696	
Machines and machinery,	263	24,537,451	26,627,625	+2,090,174	
Metals and metallic goods,	277	23,617,954			
Mixed textiles,	18	1,035,840			
Models and patterns,	5	85 ,25 5			1
Musical instruments and materials,	46	4,440,484	4,683,783	+243,299	+5.49
Oils and illuminating fluids,	9	739,623	761,220	+21,597	+2.9
Paints, colors, and crude chemicals,	16	1,359,887	1,388,401	+28,514	+2.10
Paper and paper goods,	102	22,120,916	22,556,155	+435,239	+1.97
Perfumes, toilet articles, etc.,	4	140,000	144,000	+4,000	+2.80
Photographs and photographic ma-					
terials,	11	202,900	199,500	-3,400	-1.69
Polishes and dressing,	18	810,000	713,498	-96,502	-11.9
Printing, publishing, and bookbind-					
ing,	24	8,419,441	3,441,057	+21,616	+0.6
Print works, dye works, and bleach-					
eries,	37	13,622,745	12,708,464	-914,281	-6.7
Railroad construction and equipment,	14	1,695,000	1,765,000	+70,000	+4.13
Rubber and elastic goods,	30	13,404,303	15,143,966	+1,739,663	+12.9
Scientific instruments and appli-					l .
ances,	11	959,950	1,026,523	+66,573	+6.94
Shipbuilding,	42	769,785		1	
Silk and silk goods,	9	2,721,930		-497,547	-18.28
Sporting and athletic goods,	9	267,987	318,382	+50,395	ŀ
Stone,	111	2,866,749		-45,340	1 .
Straw and palm leaf goods,	17	1,455,913		-105,630	i
Tallow, candles, soap, and grease, .	55	1,600,100		+76,872	ı
Tobacco, snuff, and cigars,	85	719,639	829,105	+109,466	1 '
Toys and games (children's).	8	327,636		+6,364	+1.94
Trunks and valises,	7	89,700	90,200	+500	+0.50
Whips, lashes, and stocks,	15	706,809	722,635	+15,826	
Wooden goods.	149				•
Woollen goods,		2,858,079	2,927,404	+74,325	+2.61
	138	28,271,436	27,835,204	-436,232	-1.54
Worsted goods,	21	10,912,129	10,782,298	129,831	-1.19
ALL INDUSTRIES,	8,745		\$434,656,802	+\$9,932,490	+2.34

COMPARISON OF CAPITAL INVESTED. SAME ESTABLISHMENTS. FOR THE YEARS

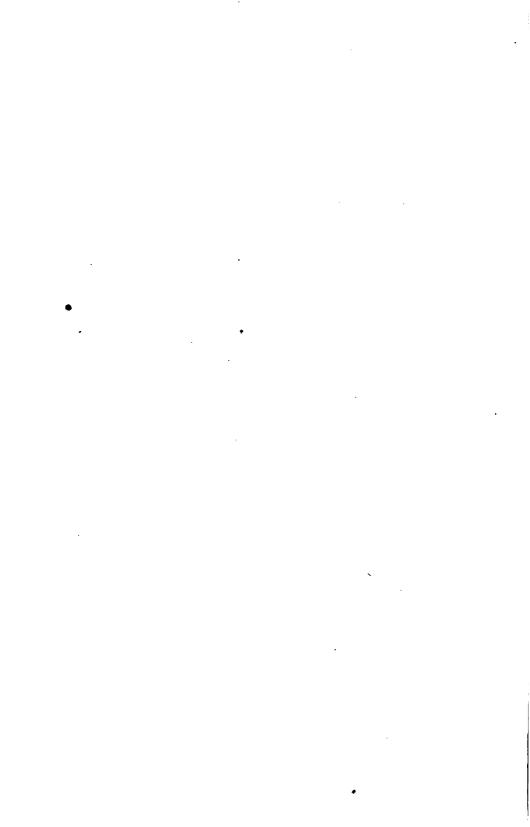
1885, 1890.

[In this presentation, the figures given under "Amount of Capital Invested" represent the returns made by the same establishments, in each industry, for 1890 and the Census year 1885, the whole number of establishments considered in "All Industries" being 3,817. Comparison is made, as regards the amount of capital invested, between these two years. The relative increase or decrease in 1890 as compared with 1885 is given with its equivalent percentage.]

Industriks.	Number of Estab- lishments	Amour Capital		Increase (+), or Dechease (-), in 1896	
	Con- sidered	1885	1890	Amounts	Percent- ages
Agricultural implements,	11	\$1,572,989	\$1,485,535	-\$87,454	—5.56
Arms and ammunition,	13	4,260,184	4,868,047	+607,863	+14.27
Artisans' tools,	56	2,774,693	2,741,499	-33,194	-1.20
Awnings, sails, tents, etc.,	34	126,932	167,366	+40,534	+31.96
Boots and shoes,	528	23,293,493	28,448,028	+5,154,535	+22.13
Boxes (paper and wooden),	130	2,074,486	2,259,785	+185,299	+8.93
Brick, tiles, and sewer pipe,	50	1,970,520	1,838,495	-132,025	-6.70
Brooms, brushes, and mops,	20	199,049	203,238		
Burial cases, caskets, coffins, etc., .	5	174,050	261,724	+87,674	+50.37
Buttons and dress trimmings.	15	1,098,374	813,022		
Carpetings,	11	7,231,443	7,854,349	1	1
Carriages and wagons,	123	3,531,337	4,016,953	+485,616	+13.75
Cement, kaolin, lime, and plaster, .	4	27,630	57,000	1 .	
Chemical preparations (compound-		,	•		·
ed),	12	842,729	781,494	61,235	7.27
Clocks, watches, and jewelry, .	86	7,728,076		1 .	+19.51
Clothing	126	8,624,087			'
Cooking, lighting, and heating ap-					i i
paratus,	41	3,168,956	-3,121,075	-47,881	-1.51
Cordage and twine	24	3,985,533	6,197,588	1	+55.50
Corks, bungs, and taps,	2	27,935	14,180		
Cotton goods,	142	116,355,276	109,173,772	1	í
Cotton, woollen, and other textiles,	2	4,492,000			ı
Crayons, pencils, crucibles, etc.,	3	118,640		1	l .
Drugs and medicines,	20	949,491	1,230,019	+280,528	+29.55
Dyestuffs,	6	346,200	458,200		
Earthen, plaster, and stone ware, .	5	189,750	369,000	+179,250	l '
Electrical apparatus and appliances,	l I	260,656	10,250,480		
Electroplating,	10	63,550	51,400	-12,150	
Emery and sand paper and cloth,etc.	. 10	623,994	. 579,917	-44,077	ľ
Fancy articles,	5	39,645	46,000	1	
Fertilizers	6	123,320			
Fine arts and taxidermy	3	2,510		1	+1,374.10
Fireworks and matches,	2	14,500	12,000		1
Flax, hemp, jute, and linen goods, .	t l	2,299,380	•	,	l
Food preparations,	332	13,051,415		1	1
Furniture,	150	5,197,258			
		5,101,200	0,000,022	1.55,552	

CAPITAL INVESTED: BY INDUSTRIES - Concluded. COMPARISON OF CAPITAL INVESTED. SAME ESTABLISHMENTS. FOR THE YEARS 1885, 1890 — Concluded.

Industries.	Number of Estab- lishments	Anoi Capital	UNT OF INVESTED	Increase (+). or Decrease (-), in 1896	
	Con- sidered	1885	1890	Amounts	Percent- ages
Glass,	12	\$453,862	\$476,800	+\$22,938	+5.00
Glue, isinglass, and starch,	14	812,248	1,044,365	+232,120	+28.58
Hair work (animal and human), .	11	193,800	209,600	+15,800	+8.10
Hose: rubber, linen, etc.,	8	285,912	850,000	+564, 085	+197.29
Hosiery and knit goods,	23	3,437,597	8,619,286	+181,689	+5.21
Ink, mucilage, and paste,	7	47,300	51,500	+4,200	+8.86
Ivory, bone, shell, and horn goods, etc.,	17	1,507,841	1,412,300	-95,541	-6.84
Leather,	169	8,925,338	9,790,034	+864,696	+9.66
Liquors and beverages (not spirit-					•
uous).	12	167,390	177,000	+9,610	+5.74
Liquors: malt, distilled, and fer-					
mented,	57	5,281,616	6,080,787	+849,171	+16.2
Lumber,	24	1,110,370	1	11 -	
Machines and machinery,	255	17,437,283		11 ' '	+34.85
Metals and metallic goods	268	19,070,549			•
Mixed textiles,	11	1,196,061		11	—13.10
-	5	23,245	1 -	11 - 1	
Models and patterns,					
Musical instruments and materials,	45	4,005,059	1		+39.69
Oils and illuminating fluids,	9	879,541	1	1) ' 1	-15.91
Paints, colors, and crude chemicals,	12	679,569	1		+41.9
Paper and paper goods,	95	19,413,557		11 ' ' 1	+4.38
Perfumes, toilet articles, etc.,	5	109,368	145,900	+36,532	+33.40
Photographs and photographic ma-					
terials,	11	235,400			+5.99
Polishes and dressing,	20	754,801	848,935	+94,634	+12.55
Printing, publishing, and bookbind-		İ			
ing,	18	2,439,748	2,602,347	+162,599	+6.66
Print works, dye works, and bleach-					
eries,	89	13,428,415	13,778,245	+854,830	+2.64
Railroadconstruction and equipment,	7	1,303,112	1,670,000	+366,888	+28.15
Rubber and elastic goods,	26	10,500,129	13,370,907	+2,870,778	+27.34
Scientific instruments and appli-					
ances,	13	623,791	1,161,850	+538,059	+86.26
Shipbuilding,	47	790,112	1,165,186	+375,073	+47.47
Silk and silk goods,	8	1,684,487	2,837,763	+1,153,276	+68.46
Sporting and athletic goods,	9	235,950	267,987	+32,037	+18.58
Stone,	120	2,841,209	8,073,049	+231,840	+8.16
Straw and palm leaf goods,	18	1,958,779	1,868,413	90,366	-4.61
Fallow, candles, soap, and grease, .	62	1,358,438	1,645,900	+287,462	+21.16
Tobacco, snuff, and cigars,	38	595,270	708,269	+112,999	+18.98
Γoys and games (children's),	9	275,910	347,636	+71,726	+26.00
Crunks and valises,	9	89,600	85,700	-3,900	-4.35
Whips, lashes, and stocks,	11	705,648	627,309	-78,839	-11.10
Wooden goods,	157	2,799,171	2,973,429	+174,258	+6.23
Woollen goods,	126	25,940,152	28,056,310	+2,116,158	+8.16
Worsted goods,	16	7,182,856	8,622,091	+1,439,235	+20.04
- '					
ALL INDUSTRIES,	3,817	\$377,564,962	\$421,589,9 53	+844,024,991	+11.66



STOCK USED: BY INDUSTRIES.

STOCK USED: BY INDUSTRIES.

1890, 1891.

[In this presentation, the figures given under "Value of Stock Used" represent the returns made by the same establishments, in each industry, for the years 1890 and 1891, the whole number of establishments considered in "All Industries" being 3,745. Comparison is made, as regards value of stock used, between these two years. The relative increase or decrease in 1891 as compared with 1890 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments	VAL OF STOC	UE K USED	INCREASE (+), OR DECREASE (-), IN 1891	
	Con- sidered	1890	1891	Amounts	Percent- ages
Agricultural implements,	11	\$ 562,303	\$ 534,142	-\$28,161	-5.01
Arms and ammunition,	12	510,141	580,124	+69,983	+13.72
Artisans' tools,	56	674,214	700,444	+26,230	+3.89
Awnings, sails, tents, etc.,	30	268,775	247,559	-21,216	—7.8 9
Boots and shoes,	567	54,441,638	52,619,990	-1,821,648	-3.35
Boxes (paper and wooden),	141	2,247,097	2,403,368	+156,271	+6.95
Brick, tiles, and sewer pipe,	45	375,304	414,147	+38,843	+10.35
Brooms, brushes, and mops,	21	751,720	756,516	+4,796	+0.64
Burial cases, caskets, coffins, etc., .	6	202,896	210,171	+7,275	+3.59
Buttons and dress trimmings, .	17	599,939	646,657	+46,718	+7.79
Carpetings,	12	4,831,720	5,122,453	+290,733	+6.02
Carriages and wagons,	96	1,706,357	1,734,896	+28,539	+1.67
Cement, kaolin, lime, and plaster, .	4	58,930	53,408	-5,522	9.37
Chemical preparations (compound-		į	Į.		
ed),	9	577,961	445,249	—132,715	-22.96
Clocks, watches, and jewelry, .	77	1,986,429	1,912,984	—73,44 5	-3.70
Clothing,	113	15,288,272	14,882,585	-405,687	-2.65
Cooking, lighting, and heating ap-	İ		i		
paratus,	31	1,033,748	1,023,198	-10,550	-1.02
Cordage and twine,	25	7,154,143	7,259,147	+105,004	+1.47
Corks, bungs, and taps,	4	30,187	29,175	-1,012	-3.35
Cotton goods,	157	52,290,260	52,253,505	36,755	-0.07
Cotton, woollen, and other textiles,	3	1,832,167	2,411,371	+579,204	+31.61
Crayons, pencils, crucibles, etc., .	4	52,155	78,976	+26,821	+51.43
Drugs and medicines,	19	1,062,786	2,042,822	+980,036	+92.21
Dyestuffs,	7	964,357	920,731	-43,626	-4.52
Earthen, plaster, and stone ware, .	4	60,927	57,010	-3,917	-6.43
Electrical apparatus and appliances,	5	2,616,356	5,043,629	+2,427,273	+92.77
Electroplating,	10	18,392	23,662	+5,270	+28.65
Emery and sand paper and cloth,etc.,	13	360,631	883,648	+23,017	+6.38
Fancy articles,	6	121,400	121,843	+443	+0.36
Fertilizers,	7	247,807	252,746	+4,939	+1.99
Fine arts and taxidermy,	2	1,800	1,350	-450	-25.00
Fireworks and matches,	8	20,864	28,761	+7,897	+37.85
Flax, hemp, jute, and linen goods, .	8	2,166,228	2,205,167	+38,939	+1.80
Food preparations,	264	51,483,954	55,512,438	+4,028,484	+7.82

STOCK USED: BY INDUSTRIES — 1890, 1891 — Concluded.

Industries.	Number of Estab- lishments	VAI OF STO	LUE CE USED	Increase or Decrease 189	(+), (-), nr
	Con- sidered	1890	1891	Amounts	Percent- ages
Furniture,	120	\$3,972,127	\$4,187,297	+\$215,170	+5.42
Glass,	10	124,640	140,109	+15,469	+12.41
Glue, isinglass, and starch,	14	702,203	626,404	-75,799	-10.79
Hair work (animal and human), .	10	388,036	365,749	-22,287	-5.74
Hose: rubber, linen, etc.,	5	473,825	576,721	+102,896	+21.72
Hosiery and knit goods,	40	2,732,168	8,271,453	+539,285	+19.74
Ink, mucilage, and paste,	8	149,516	165,971	+16,455	+11.01
Ivory, bone, shell, and horn goods, etc.,	18	227,025	272,259	+45,284	+19.92
Leather,	154	13,959,611	11,925,222	-2,034,889	-14.57
Liquors and beverages (not spirit-		, ,	' '		
uous),	12	185,579	180,404	-5,175	-2.79
Liquors: malt, distilled, and fer-			,		
mented,	49	2,749,268	3,150,018	+400,750	+14.58
Lumber,	25	1,460,689	1	13,997	-0.96
Machines and machinery,	263	9,309,620		-438,769	
Metals and metallic goods	277	17,926,860	1	-275.707	
Mixed textiles	13	1,241,394	1	—112,390	
Models and patterns,	5	28,901		+4,098	
Musical instruments and materials,	46	2,115,603		-97,000	
Oils and illuminating fluids,	9	947,581		+164,231	+17.33
Paints, colors, and crude chemicals,	16	721,657		-94,445	-13.09
Paper and paper goods	102	14,609,690		+1,071,114	
Perfumes, toilet articles, etc.,	4	104,385		+11,803	
Photographs and photographic ma-	•	102,000	110,100	12,500	711.01
terials,	11	82,621	83,642	+1,021	+1.24
Polishes and dressing,	18	802,042	1 1	+64,012	•
Printing, publishing, and bookbind-	1 20	002,012	000,007	7 02,012	71.80
ing,	24	947,250	922,548	-24,702	-2.61
Print works, dye works, and bleach-			022,010	22,102	
eries.	37	12,580,381	11,861,189	-719,192	-5.72
Railroad construction and equipment,		1,994,640	1 1	+96,695	+4.85
Rubber and elastic goods,	30	11,988,507	1	+984,860	
Scientific instruments and appli-	30	11,900,001	12,813,301	7.804,000	70.44
ances,	11	566,400	586,301	+19,901	+3.51
Shipbuilding,	42	426,482	420,489	5,993	
Silk and silk goods,	9	3,034,351	3,033,056	—1,295	
Sporting and athletic goods,	9	195,141	1	1	
~.	1111	855,625	206,729 875,031	+11,588	
Stone,	17	1,892,902		+19,406	
	55		1,908,490	+15,588	
Tallow, candles, soap, and grease,	35	2,364,462	1 1	-118,364	
Tobacco, snuff, and cigars, Toys and games (children's)	8	1,142,585	1	+32,389	+2.83 -0.36
Trunks and valises,	7	217,774	216,981	—793 0.760	
	· .	150,944	1 1	-2,762	
Whips, lashes, and stocks,	15 149	353,383		+45,440	•
Wooden goods,		2,198,339		+154,587	+7.03
Woollen goods,	138	19,461,068		+1,701,805	
Worsted goods,	21	10,448,643	12,220,984	+1,772,341	+16.96
ALL INDUSTRIES,	8,745	\$352,435,774	\$362,210,369	+\$9,774,595	+2.77

COMPARISON OF STOCK USED. SAME ESTABLISHMENTS. FOR THE YEARS

1885, 1890.

[In this presentation, the figures given under "Value of Stock Used" represent the returns made by the same establishments, in each industry, for 1890 and the Census year 1885, the whole number of establishments considered in "All Industries" being 3,817. Comparison is made, as regards the value of stock used, between these two years. The relative increase or decrease in 1890 as compared with 1885 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments	VALUE OF STOCK USED		Increase (+), or Decrease (-), in 1590	
	Con- sidered	1885	1890	Amounts	Percent- ages
Agricultural implements,	11	\$379,874	\$562,303	+\$182,429	+48.0
Arms and ammunition,	13	563,408	510,173	53,235	-9.4
Artisans' tools,	56	616,046	692,089	+76,043	+12.3
Awnings, sails, tents, etc.,	84	241,824	282,747	+40,923	+16.9
Boots and shoes,	528	47,583,750	53,798,109	+6,214,859	+13.0
Boxes (paper and wooden),	130	1,798,204	2,263,808	+465,604	+25.8
Brick, tiles, and sewer pipe,	50	345,088	510,743	+165,655	+48.0
Brooms, brushes, and mops,	20	247,270	241,241	-6,029	-2.4
Burial cases, caskets, coffins, etc., .	5	193,829	186,396	7,433	-3.8
Buttons and dress trimmings, .	15	544,696	548,100	+3,404	+0.6
Carpetings,	11	3,721,895	4,668,076	+946,181	+25.4
Carriages and wagons,	123	1,939,089	2,726,448	+787,359	+40.6
Cement, kaolin, lime, and plaster, .	4	38,884	97,760	+58,876	+151.4
Chemical preparations (compound-			1		
ed),	12	654,771	706,629	+51,858	+7.9
Clocks, watches, and jewelry, .	86	2,116,195	2,607,879	+491,684	+23.2
Clothing,	126	12,331,854	15,414,345	+3,082,491	+25.0
Cooking, lighting, and heating ap-		1			
paratus,	41	1,010,173	1,117,575	+107,402	+10.6
Cordage and twine,	24	3,343,407	7,011,796	+3,668,389	+109.7
Corks, bungs, and taps,	2	57,032	12,794	-44,238	—77.5
Cotton goods,	142	36,607,021	49,673,961	+13,066,940	+35.7
Cotton, woollen, and other textiles,	2	1,488,856	1,786,268	+297,412	+19.9
Crayons, pencils, crucibles, etc., .	3	44,232	41,671	-2,561	-5.7
Drugs and medicines,	20	1,079,683	1,131,286	+51,603	+4.7
Dyestuffs,	6	428,888	419,357	9,531	-2.2
Earthen, plaster, and stone ware, .	5	40,722	80,927	+40,205	+98.7
Electrical apparatus and appliances,	4	320,130	2,612,856	+2,292,726	+716.1
Electroplating	10	29,471	23,396	-6,075	•
Emery and sand paper and cloth,etc.,	10	213,039	317,830	+104,791	+49.1
Fancy articles,	5	12,696	39,480	+26,784	+210.9
Fertilizers,	6	60,568	77,651	+17,083	•
Fine arts and taxidermy,	3	1,000	2,155	+1,155	•
Fireworks and matches,	2	9,057	10,684	+1,627	•
Flax, hemp, jute, and linen goods, .	8	1,463,415	2,166,228	+702,813	
Food preparations,	832	43,171,157	56,772,985	+12,601,828	
Furniture,	150	3,717,461	4,251,754	+534,293	

STOCK USED: BY INDUSTRIES — Continued.

COMPARISON OF STOCK USED: SAME ESTABLISHMENTS. FOR THE YEARS 1885, 1890 — Concluded.

Industries.	Number of Estab- lishments	VAL OF STOC	.UE EK ÜSED	Increase (+), or Decrease (-), in 1890	
	Con- sidered	1885	1890	Amounts	Percent- ages
Glass,	12	\$191,198	\$167,758	-\$28,440	-12.26
Glue, isinglass, and starch,	14	591,604	620,788	+29,184	+4.93
Hair work (animal and human), .	11	276,868	891,636	+114,773	+41.40
Hose: rubber, linen, etc.,	3	259,006	414,191	+155,185	+59.92
Hosiery and knit goods,	23	1,641,215	2,356,619	+715,404	+43.5
Ink, mucilage, and paste,	7	60,530	55,206	-5,324	-8.8
Ivory, bone, shell, and horn goods, etc.,	1	276,877	492,703	+215,826	•
Leather	169	14,951,966	-	1 ' '	
Liquors and beverages (not spirit-	100	12,001,000	10,101,020	7200,000	,
uous),	12	98,765	185,579	+86,814	+87.9
	12	\$0,100	100,018	700,014	701.0
Liquors: malt, distilled, and fer- mented.		9.057.050	0.050.000	007 000	-9.1
	57	3,257,872	2,959,890	—297,982	i
Lumber,	24	974,372	1,262,889	+288,517	
Machines and machinery,	255	5,106,068	8,985,297	+3,879,229	
Metals and metallic goods,	268	11,810,600		+5,418,477	
Mixed textiles,	11	867,161	1,213,940	+346,779	
Models and patterns,	5	26,129	28,901	+2,772	
Musical instruments and materials,	45	1,789,242	2,698,961	+909,719	
Oils and illuminating fluids,	9	1,231,257	947,581	-283,676	
Paints, colors, and crude chemicals,	12	454,782	529,112	+74,380	+16.8
Paper and paper goods,	95	11,857,538	18,471,429	+1,613,891	+13.6
Perfumes, toilet articles, etc., .	5	72,780	94,845	+22,065	+30.8
Photographs and photographic ma-					
terials,	11	66,937	120,206	+53,269	+79.5
Polishes and dressing,	20	730,953	814,412	+83,459	+11.4
Printing, publishing, and bookbind-	}		'		
ing,	18	510,529	566,648	+56,119	+10.9
Print works, dye works, and bleach-			·		
eries,	39	13,220,037	13,081,025	-139,012	-1.0
Railroadconstruction and equipment	7	824,572		+604,480	+73.3
Rubber and elustic goods,	26	7,207,103	1	+4,694,026	1
Scientific instruments and appli-		.,,	,	, , , , , , , ,	•
ances,	13	506,023	640,105	+134,082	+26.5
Shipbuilding,	47	887,141		+204,088	1 '
Silk and silk goods,	8	2,006,512		+1,187,006	
Sporting and athletic goods,	9	192,280		-219	
Stone	120	1,057,923		-142,687	
Straw and palm leaf goods,	18	2,805,117		-292,533	l
Tallow, candles, soap, and grease,	62	2,344,071		+84,224	1
Tobacco, snuff, and cigars,	38				1
	9	713,461			
Toys and games (children's),		113,029			
Trunks and valises,	9	134,864		1 .	1
Whips, lashes, and stocks,	11	209,165	1	+105,108	
Wooden goods,	157	2,070,853			
Woollen goods,	126	16,012,384		1	
Worsted goods,	16	5,507,333	7,828,273	+2,320,940	+42.1
ALL INDUSTRIES,	3,817	\$278,830,247	\$3 51,149,543	+\$72,319,296	+25.9

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED.

1890, 1891.

[In this presentation articles of stock used by the same establishments are shown for 1890 and 1891. For instance, the quantity and value of acetic acid used in 1890 in certain establishments are compared with the returns of the same establishments for 1891. The quantity of stock given does not, in any instance, represent the total amount used in the State. The figures given in the table below are derived solely from the returns of those establishments which reported the quantities and values of stock used for 1890 and 1891, upon the same basis for both years, thus admitting of direct comparison. The order is alphabetical, with subsidiary classifications under such general titles as brass, bristles, cotton, etc. To avoid the use of small amounts in the "Average Price per Basis" columns, the units of measurement returned by the manufacturers have been increased when necessary; as, for instance, single pounds have been

	ABTICLES.	ARTICLES. Basis		1890		1891	
				Quantity	Value	Quantity	Value
1	Acid, acetic		100 pounds	3,206	\$5,097	3,706	\$5,742
2	Acid, muriatic		100 pounds	616	814	534	726
3	Acid, sulphuric		100 pounds	7,429	6,876	10,505	9,083
4	Acid, sulphuric		carboys	314	592	354	967
5	Actions, piano		sets	7,583	139,241	6,855	132,582
6	Alcohol, grain		gailons	22,283	52,875	80,985	66,883
7	Ale,		barrels	2,640	18,480	1,040	6,320
8	Ammonia, sulphate of .		100 pounds	1,874	5,917	1,830	5,840
9	Apples, cider		bushels	211,597	68,591	365,523	58,557
10	Ashes, wood		bushels	17,050	4,073	15,575	4,110
11	Axles,	•	sets	5,867	21,862	4,947	20,441
12	Bagging,		tons	6,234	185,815	6,7461/4	172,593
13	Bark, hemlock		cords	50,484	481,224	48,264	488,127
14	Bark, hemlock (extract of),		pounds	173,208	4,464	52,953	1,600
15	Bark, hemlock (extract of),		barrels	2,625	83,245	2,048	26,082
16	Barley,		bushels	65,000	60,000	62,830	62,830
17	Beef, dressed		100 pounds	4,690	22,840	6,277	27,006
18	Beeswax,		pounds	6,780	2,084	6,581	2,123
19	Bellies, leather		tons	246	53,000	1881/2	36,330
20	Bleach,		tons	392	13,720	392	13,740
21	Boards, box		M feet	5,133	49,837	5,960	55,020
22	Boards, box (pine),		M feet	10,043	102,018	10,351	104,053
23	Boards, pine		M feet	15,535	163,921	15,088	154,880
24	Bodies, carriage		1	3,624	42,086	3,439	40,342
25	Bones, green (or raw), .		tons	6,52314	104,149	6,76334	116,164
26	Borax,		100 pounds	767	6,745	770	6,632
	Brass:						•
27	Cast,		100 pounds	37	959	86	918
28	Ingot,		100 pounds	166	1,983	. 263	2,836
29	Old,		100 pounds	9,000	72,000	3,000	28,500

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED.

1890, 1891.

increased to 100 pounds or to tons, single feet to 1,000 feet, single yards to 100 yards, etc. The price per single pound, single foot, single yard, etc., may be readily obtained by dividing the figures given by 100, 1,000, etc. The method of reading this table is as fellows: In 1890, a certain number of establishments used 320,600 pounds of acetic acid and in 1891, these same establishments used 370,600 pounds; this was an increase of 50,000 pounds, or 15.60 per cent. The value of the quantity used in 1890 was \$5,097; in 1891 it amounted to \$5,742 an increase of \$645, or 12.65 per cent. The average price per 100 pounds was \$1.59 in 1890, and \$1.55 in 1891, a decrease of \$0.04, or 2.52 per cent. The italic letters n.s., denote the abbreviation of the words "not specified." Attention is called to the foot-notes which specify cases of indefiniteness in the designation of various kinds of stock used.]

Increase (-), crease (-), in 1891 as with	IN QUANTITY COMPARED	1891 As C	+), or Dr- in Value in compared i 1890	Averagi Per i		Increase (+), or Decrease (-), in Average Price per Basis in 1891		
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
+500	+15.60	+\$645	+12.65	\$1.59	\$1.55	\$0.04	-2.52	1
-82	-13.31	88	-10.81	1.32	1.36	+0.04	+3.08	2
+3,076	+41.41	+2,207	+32.10	0.93	0.86	-0.07	-7.53	8
·- 4 0	+12.74	+375	+63.34	1.89	2.73	+0.84	+44.44	4
-728	-9.60	6,659	-4.78	18.36	19.34	+0.98	+5.34	5
+8,702	+39.05	+14,008	+26.49	2.87	2.16	-0.21	-8.86	6
-1,600	60.61	-12,160	-65.80	7.00	6.08	-0.92	-13.14	7
-44	-2.35	77	-1.30	3.16	3.19	+0.03	+0.95	8
+153,926	+72.74	-10,034	-14.63	0.32	0.16	-0.16	50.00	9
1,475	8. 6 5	+37	+0.91	0.24	0.26	+0.02	+8.83	10
420	7.83	1,421	-6.50	4.07	4.13	+0.06	+1.47	11
		l	i i					
+5121/4	+8.22	13,222	-7.12	29.81	25.58	-4.23	14.19	12
2,220	-4.40	+3,903	+0.81	9.59	10.11	+0.52	+5.42	13
—12 0,255	69.43	-2,864	-64.16	0.03	0.03	1=	1=	14
577	-21.98	7,163	-21.55	12.66	12.74	+0.08	+0.63	15
2,170	-3.34	+2,830	+4.72	0.92	1.00	+0.08	+8.70	16
+1,587	+33.84	+4,166	+18.24	4.87	4.30	-0.57	-11.70	17
199	-2.94	+39	+1.87	0.31	0.32	+0.01	+3.23	18
-571/2	-23.37	16,670	-31.45	215.45	192.73	-22.72	-10.55	19
2	²==	+20	+0.15	85.00	35.05	+0.05	+0.14	20
+827	+16.11	+5,18 8	+10.40	9.71	9.23	-0.48	-4,94	21
+308	+3.07	+2,035	+1.99	10.16	10.05	-0.11	-1.08	22:
447	-2.88	-9,041	-5.52	10.55	10.27	-0.28	-2.65	23:
185	—5.10	-1,744	-4.14	11.61	11.73	. +0.12	+1.03	24
+2401/4	+3.69	+12,015	+11.54	15.97	17.17	+1.20	+7.51	25
+3	+0.39	—113	-1.68	8.79	8.61	-0.18	-2.05	26
-1	-2.70	-46	-4.80	25.92	25.36	-0.56	-2.16	27
+97	+58.43	+853	+43.02	11.95	10.78	-1.17	-9.79	28
-6,000	66.67	-,4 3,500	-60.42	8.00	9.50	+1.50	+18.75	29

¹ No change in average price.

² No change in quantity used.

STOCK USED: BY INDUSTRIES — Continued.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED
— 1890, 1891 — Continued.

	Articles.		Basis	18	90	18	91
				Quantity	Value	Quantity	Value
	Brass: - Con.		1				
1	Pig,	•	100 pounds	150	\$1,500	60	\$ 59
2	Rolled,		100 pounds	634	8,987	587	8,80
8	Sheet,		tons	404	139,507	4481/4	140,52
4	Brass, n. s.,*	•	tons	6801/4	211,294	486	158,44
5	Brimstone,	•	tons	466	10,604	867½	8,76
	Bristles:						
6	American,	•	100 pounds	222	12,100	252	18,10
7	French,	•	100 pounds	15	1,350	25	2,00
8	German,		100 pounds	110	14,850	123	17,12
9	Hogs',		100 pounds	450	89,000	465	40,00
0	Russian,		100 pounds	58	9,510	52	10,60
1	Bristles, n. s.,*		100 pounds	2,695	331,000	2,762	835,50
2	Broadcloth,		100 yards	219	26,089	243	28,82
3	Broom corn,		tons	186	18,821	245	22,79
4	Buckles,		gross	56,500	75,330	58,700	82,10
5	Butter,		100 pounds	4,518	76,575	4,685	79,89
6	Button-board,	•	tons	1401⁄4	9,647	161%	11,20
7	Calves,			17,564	91,970	15,877	107,9
8	Camel's-hair,		100 pounds	18,576	355,586	17,825	226,00
9	Cane, chair		bales	1,914	66,397	2,084	71,04
0	Cases, piano			2,835	125,020	2,460	101,0
1	Castings, brass		pounds	402,704 1/4	78,396	422,871	76,25
2	Castings, composition .		100 pounds	966	20,594	1,121	23,90
3	Castings, iron		tons	10,3211/4	612,349	11,2551/2	635,25
1	Cattle,			1,963	87,971	1,445	59,1
5	Chalk,		tons .	5,000	17,000	4,985	16,94
6	Chocolate,		100 pounds	8,779	194,241	8,367	183,37
7	Clay, china		tons	2,0821/2	31,609	2,360	39,48
8	Clips, woollen		100 pounds	. 16,513	160,385	19,907	200,98
9	Cloth, cotton		100 yards	149,939	1,178,746	166,134	1,211,76
0	Cloth, cotton (gray), .		100 yards	171,512	641,328	218,665	706,13
1	Coal,		tons	77,4981/4	871,690	90,747	436,22
2	Codfish, fresh		100 pounds	19,137	55,904	14,575	34,02
3	Coffee, green		100 pounds	134,544	2,512,374	151,481	2,790,92
4	Coke,		tons	2,5191/2	14,274	2,283%	13,48
5	Copper,*		tons	2,4961/4	713,893	1,972	500,24
6	Copper, ingot		100 pounds	54,250	808,194	46,562	657,28
7	Copper, sheet		100 pounds	1,120	27,373	1,286	28,18
В	Corn, Indian		100 bushels	52,390	8,014,803	44,685	2,915,75
9	Corundum, rough		tons	1,662	86,320	1,826	92,18
	Cotton:						•
0	Raw,		100 pounds		23,326,701	2,261,594	22,235,7
1	Raw (American), .	•	100 pounds	101,656	1,204,215	108,147	1,235,8
2	Raw (Egyptian), .	_	100 pounds	18,041	205,173	17,665	248,99

^{*} Not specified as to particular kind.

STOCK USED: BY INDUSTRIES — Continued.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED — 1890, 1891 — Continued.

Increase (), crease (), in 1891 as with	+), or De- in Quantity compared 1890	1891 AS C	+), OR DE- IN VALUE IN COMPARED I 1890	AVERAGI PER I	B VALUE	AVERAGE	se (+), ase (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
								Γ
90	-60.00	\$905	-60.33	\$10.00	\$9.92	80.08	0.80	1
47	-7.41	187	-2.08	14.18	14.99	+0.81	+5.71	2
+44 1/2	+11.01	+1,015	+0.73	845.31	313.32	-31.99	-9.26	3
-1941/4	28.56	52,852	-25.01	310.61	326.01	+15.40	+4.96	4
98⅓	-21.14	1,836	-17.31	22.76	23.86	+1.10	+4.83	5
					1			į
+30	+13.51	+1,000	+8.26	54.50	51.98	-2.52	-4.62	6
+10	+66.67	+650	+48.15	90.00	80.00	-10.00	-11.11	7
+13	+11.82	+2,275	+15.82	135.00	139.23	+4.23	+3.13	8
+15	+3.33	+1,000	+2.56	86.67	86.02	0.65	-0.75	9
6	-10.34	+1,090	+11.46	163.97	203.85	+39.88	+24.32	10
+67.	+2.49	+4,500	+1.36	122.82	121.47	-1.35	-1.10	11
+24	+10.96	+2,735	+10.48	119.13	118.62	0.51	-0.43	12
+59	+31.72	+3,973	+21.11	101.19	93.04	-8.15	-8.05	13
+2,200	+3.89	+6,770	+8.99	1.33	1.40	+0.07	+5.26	14
+167	+3.70	+3,315	+4.33	16.95	17.05	+0.10	+0.59	15
+21	+14.95	+1,561	+16.18	68.66	69.40	+0.74	+1.08	16
-1,687	-9.60	+15,987	+17.38	5.24	6.80	+1.56	+29.77	17
751	-4.04	-129,584	-36.44	19.14	12.68	-6.46	-33.75	18
+170	+8.81	+4,650	+7.00	34.69	34.09	-0.60	-1.78	19
-375	-13.23	-23,982	-19.18	44.10	41.07	-3.03	-6.87	20
+19,6661/2	+4.88	-2,141	-2.73	0.19	0.18	-0.01	-5.26	21
+155	+16.05	+3,311	+16.08	21.32	21.32	1=	1=	22
+9341/4	+9.05	+22,907	+3.74	59.83	56.44	-2.89	-4.87	23
518	-26.39	28,821	-32.76	44.81	40.93	-3.58	-8.66	24
—15	-0.30	-60	-0.35	3.40	3.40	1=	1=	25
-412	-4.69	-10,870	5.60	22.13	21.92	-0.21	-0.95	26
+2771/2	+13.33	+7,879	+21.93	15.18	16.73	+1.55	+10.21	27
+3,394	+20.55	- -40,596	+25.31	9.71	10.10	+0.39	+4.02	28
+16,195	+10.80	+33,021	+2.80	7.86	7.29	0.57	-7.25	29
+47,153	+27.49	+64,803	+10.10	8.74	3.23	-0.51	-13.64	30
+13,2481/2	+17.10	+64,539	+17.36	4.80	4.81	+0.01	+0.21	81
-4,562	-23.84	-21,884	-39.15	2.92	2.33	-0.59	-20.21	32
+16,937	+12.59	+278,547	+11.09	18.67	18.42	-0.25	-1.34	33
-235¾	-9.36	-793	-5.56	5.67	5.90	+0.23	+4.06	34
5241/4	-21.00	-213,648	-29.93	285.99	253.67	-32.32	-11.30	35
-7,688	-14.17	-150,912	-18.67	14.90	14.12	-0.78	-5.23	36
+166	+14.82 -14.71	+812	+2.97	24.44	21.92	-2.52	-10.31	38
—7,705		-99,045	-3.29	57.55	62.25	+4.70	+8.17	1
+164	+9 .87	+5,867	+6.80	51.94	50.49	-1.45	-2.79	39
+75,724	+3.46	1,090,958	-4.68	10.67	9.83	-0.84	-7.87	40
+6,491	+6.39	+31;667	+2.63	11.85	11.43	-0.42	-3.54	41
+4,624	+35.46	+43,819	+21.36	15.73	14.10	1.63	-10.36	42
			<u> </u>			11	<u> </u>	<u>_</u>

¹ No change in average price.

STOCK USED: BY INDUSTRIES—Continued. COMPARISON OF QUANTITIES AND VALUES OF STOCK USED — 1890, 1891—Continued.

Raw (Southern), 100 pounds 1,293,960 13,757,447 1,420,323 13,607,00 13,757,447 1,420,323 13,607,00 100 pounds 12,743 320,045 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,087 324,325 15,080 3,457 122,70 100 puck, cotton (for salls), 100 pounds 3,349 115,090 3,457 122,70 122,70 15,000 3,457 122,70 15,000 3,457 122,70 15,000 3,457 122,70 100 pounds 4,700 32,755 5,370 34,92 100 pounds 4,700 32,755 5,370 34,92 100 pounds 4,700 32,755 5,370 34,92 100 pounds 4,700 32,755 5,370 34,92 100 pounds 4,700 32,755 5,370 34,92 100 pounds 4,700 32,755 5,370 34,92 100 pounds 100,900 100,714 2,002 17,44 1,030,709 107,742 1,017,66 100 pounds 2,774 1,030,709 107,742 1,017,66 100 pounds 2,774 6,1995 18,820 1,007 2,002 17,44 1,000,709 1,000,700 1,000,709 1,000,709 1,000,709 1,000,709 1,000,709 1,000,709 1,000,709 1,000,709 1,000,709 1,000,709 1,0		Articles.	Basis	Basis		18	91
Raw (Sea Island),				Quantity	Value	Quantity	Value
Raw (Southern), 100 pounds 1,298,960 18,757,447 1,420,323 13,697,00 18,757,447 1,420,323 13,697,00 100 pounds 12,143 320,045 15,087 324,325 15,087 15,087 324,325 15,087 15,087 324,325 15,087 15,087 324,325 15,087 15,08		Cotton: -Con.					
Raw (Southern)	1	Raw (Sea Island)	100 pounds	15,127	\$375,985	14,709	\$334,955
Raw (Texas),		• • • • • • • • • • • • • • • • • • • •	-	1 -			13,697,005
4 Cream of tartar, . 100 pounds 12,743 320,945 15,087 351,77 5 Duck, cotton . 100 pounds 21,459 422,672 24,475 477,58 6 Duck, cotton (for sails), . 100 yards 3,349 115,900 3,457 122,70 7 Eggs, . dozen 308,824 63,130 328,082 64,97 8 Flax, . 100 pounds 4,700 32,765 5,370 34,92 10 Flour (for paste), barrels 34,403 130,294 32,860 142,37 11 Flour, wheat . 100 pounds 2,800 19,771 2,062 17,046 12 Gambier, . 100 pounds 2,800 19,771 2,062 17,046 13 Gambier, . 1100 pounds 3,456 47,287 3,449 49,44 16 Giue, . 100 pounds 1,093 18,324 1,151	3	Raw (Texas),	100 pounds	28,103		29,658	324,363
6 Duck, cotton (for sails), 100 yards 3,349 115,900 3,457 122,70 7 Eggs, . . dozen 308,824 63,130 328,082 64,97 8 Flax, . . 100 pounds 38,606 666,897 38,736 670,81 9 Flocks, . . 100 pounds 4,700 32,765 5,370 34,92 10 Flour, (for paste), . barrels 198,747 1,030,709 197,712 2,962 17,94 12 Gambier, . 100 pounds 2,800 19,771 2,962 17,94 13 Gambier, . bales 2,339 35,708 1,007 25,17 14 Gluce. . 100 pounds 3,456 47,237 3,449 15,04 16 Glue, . 100 pounds 1,668 47,237 3,449 1,54 17 Gyaineres . 100 pounds 1,093 <td>-4</td> <td>Cream of tartar,</td> <td>100 pounds</td> <td>12,748</td> <td>320,945</td> <td>15,087</td> <td>851,779</td>	-4	Cream of tartar,	100 pounds	12,748	320,94 5	15,087	851,779
7 Eggs,	5	Duck, cotton	100 pounds	21,459	422,672	24,475	477,582
8 Flax,	6	Duck, cotton (for sails),	100 yards	3,349	115,900	3,457	122,701
9 Flocks, . 100 pounds 4,700 32,765 5,370 34,92 10 Flour (for paste), . barrels 84,403 130,294 32,860 142,37 11 Flour, wheat . barrels 198,747 1,030,709 197,142 1,017,66 12 Gambier, . 100 pounds 2,800 19,771 2,962 17,94 13 Gucose, . 100 pounds 22,339 36,708 1,907 25,17 14 Glucose, . 100 pounds 3,456 47,287 3,449 49,44 16 Glue, . barrels 167 3,036 170 3,33 17 Glycerine, . 100 pounds 1,093 18,324 1,151 17,24 18 Gold, . . 100 pounds 1,093 18,324 1,161 17,24 19 Gold leaf, . packs 2,717 20,151 2,265 16,84 19 Granite,* . cubic feet 74,385 67,857	7	Eggs,	dozen	308,824	63,130	328,082	64,979
Flour (for paste), barrels 34,403 130,294 32,860 142,37 Flour, wheat barrels 198,747 1,030,709 197,142 1,017,66	8	Flax,	100 pounds	38,606	666,897	38,736	670,812
Flour, wheat	9	Flocks,	100 pounds	4,700	82,765	5,370	34,926
12 Gambier,	10	Flour (for paste),	barrels	84,403	130,294	82,860	142,375
13 Gambler, bales 2,339 35,708 1,907 25,17 14 Glucose, 100 pounds 22,774 61,895 18,820 50,48 15 Glue, 100 pounds 3,456 47,287 3,449 49,44 16 Glue, 100 pounds 1,093 18,324 1,151 17,24 17 Glycerine, 100 pounds 1,093 18,324 1,151 17,24 18 Gold,	11	Flour, wheat	barrels	198,747	1,030,709	197,142	1,017,662
13 Gambler, bales 2,339 35,708 1,907 25,17 14 Glucose, 100 pounds 22,774 61,895 18,820 50,48 15 Glue, 100 pounds 3,456 47,287 3,449 49,44 16 Glue, 100 pounds 1,093 18,324 1,151 17,24 17 Glycerine, 100 pounds 1,093 18,324 1,151 17,24 18 Gold,	12	Gambier	100 pounds	2,800	19,771	2,962	17,946
14 Glucose,	13	<u>-</u>	, -			1 .	25,171
15 Glue,	14	Glucose,	100 pounds	22,774		18,820	50,486
16 Glue,	15	Glue,	100 pounds	3,456	47,287	3,449	49,445
18 Gold,	16	Glue,	barrels	167	3,036		3,396
19 Gold leaf,	17	Glycerine,	100 pounds	1,093	18,324	1,151	17,243
20 Granite,* .	18	Gold,	ounces	11,120	228,276	11,087	226,664
Granite, rough	19	Gold leaf,	packs	2,717	20,151	2,265	16,840
Grease Curriers',	20	Granite,*	cubic feet	74,385	67,857	78,610	70,635
22 Curriers',	21	Granite, rough	tons	2,610	20,458	2,442	22,066
23 Curriers',		Grease:					
24 Rendered,	22	Curriers',	100 pounds	13,172	58,813	17,561	75,831
25 Rough,	23	•	barrels	2,055	29,820		29,499
26 Hair, cattle	24	Rendered,	100 pounds	33,587	130,067	83,825	137,645
Hemp: Manila, tons 9,583 \(\) 1,881,522 7,886 \(\) 1,494,72 28 New Zealand, tons 4,574 \(\) 567,530 5,965 \(\) 660,65 29 Russian, tons 100 15,417 230 \(\) 34,71 30 8isal, tons 5,801 \(\) 563,536 6,781 \(\) 794,42 Hemp, n.s.,* tons 6,292 \(\) 1,124,786 7,815 \(\) 1,485,04 Hides: 20 Dry, 29,752 40,154 23,837 35,05 33 Green,	25	Rough,	100 pounds	21,184	41,404	21,783	46,007
27 Mantla, tons 9,583½ 1,881,522 7,886½ 1,494,72 28 New Zealand, tons 4,574½ 567,530 5,965½ 660,65 29 Russian, tons 100 15,417 230½ 84,71 30 Sisal, tons 5,801½ 563,536 6,781½ 794,42 31 Hemp, n.s.,* tons 6,292½ 1,124,786 7,815½ 1,485,04 Hides: Dry, . . 29,752 40,164 23,837 35,05 33 Green, . . 27,571 84,628 23,875 76,86 34 Green (salted), . . 102,420 383,189 117,020 383,20 35 Green (salted), . . . 09,983 191,978 54,627 130,57 36 Balted, 	26		tons	1,021%	20,290	1,162%	25,668
28 New Zealand,	97	•	tons	9.583 1	1.881.522	7.8861	1.494 726
29 Russian, tons 100 15,417 23024 84,718 30 Sisal, tons 5,80114 568,536 6,78124 794,42 31 Hemp, n. s.,* tons 6,29214 1,124,786 7,81514 1,485,04 Hides: 22 Dry,				1		1	660,653
30 Sisal,					,		84,715
31 Hemp, n. s.,* . tons 6,292½ 1,124,786 7,815½ 1,485,04 Hides: 32 Dry, 29,752 40,164 23,837 35,05 33 Green, 27,571 84,628 23,876 76,88 34 Green (salted), . . . 102,420 383,189 117,020 383,20 35 Green (salted), 69,983 191,978 54,627 130,57 36 Salted, 126,403 347,160 159,550 409,21		•		1			794,423
Hides: 32 Dry,		•	1	,			1,485,044
33 Green,		Hides:		, ,			
34 Green (aalted), . . . 102,420 383,189 117,020 383,20 35 Green (salted), . . 100 pounds 38,413 233,406 71,978 460,15 36 Salted, 69,983 191,978 54,627 130,57 37 Hides, n. s.,* 126,403 347,160 159,550 409,21	32	Dry,		29,752		23,837	35,059
35 Green (salted), . 100 pounds 38,413 233,406 71,978 469,15 36 Salted, 69,983 191,978 54,627 130,57 37 Hides, n. s.,* . . . 126,403 347,160 159,550 409,21	- 1	-		1			76,882
36 Salted,		,					883,207
37 Hides, n. s.,* 126,403 847,160 159,550 409,21		• • • • • • • • • • • • • • • • • • • •	100 pounds				460,150
	- 1	-			-	1 .	130,573
88 Hides, n. s.,* 100 pounds 24,050 154,775 14,640 89,69	. • .						409,217
1 1 1 1 1	88	Hides, n. s.,*	100 pounds	24,050	154,775	14,640	89,698

^{*} Not specified as to particular kind.

STOCK USED: BY INDUSTRIES - Continued. COMPARISON OF QUANTITIES AND VALUES OF STOCK USED -1890, 1891 - Continued.

Increase (Crease (), IN 1891 AS WITE	+), or De- in Quantity compared i 1890	1891 V8 C	+), or De- in Value in ompared i 1890	AVERAGE PER H		INCREA OR DECREA AVERAGE BASIS	se (+), ase (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
-418	-2.76	-\$41,030	-10.91	\$24.86	\$22.77	-\$2.09	—8.4 1	1
+126,363	+9.77	60,442	-0.44	10.63	9.64	0.99	9 .31	2
+1,555	+5.53	+14,939	+4.83	11.01	10.94	-0.07	-0.61	8
+2,344	+18.39	+30,834	+9.61	25.19	23.32	1.87	-7.42	4
+3,016	+14.05	+54,910	+12.99	19.70	19.51	-0.19	-0.96	5
+108	+3.22	+6,801	+5.87	84.61	35.49	+0.88	+2.54	6
+19,258	+6.24	+1,849	+2.93	0.20	0.20	1=	1=	7
+130	+0.34	+3,915	+0.59	17.27	17.82	+0.05	+0.29	8
+670	+14.26	+2,161	+6.60	6.97	6.50	-0.47	-6.74	9
-1,543	-4.49	+12,081	+9.27	8.79	4.33	+0.54	+14.25	10
1,605	0.81	-13,047	-1.27	5.19	- 5.16	-0.03	-0.58	11
+162	+5.79	1,825	-9.23	7.06	6.06	-1.00	-14.16	12
-432	-18.47	-10,537	-29.51	15.27	13.20	-2.07	-13.56	13
-3,954	-17.36	11,409	-18.43	2.72	2.68	-0.04	-1.47	14
-7	-0.20	+2,158	+4.56	13.68	14.34	+0.66	+4.82	15
+3	+1.80	+360	+11.86	18,18	19.98	+1.80	+9.90	16
+58	+5.31	-1,081	-5.90	16.76	14.98	-1.78	-10.62	17
-33	-0.30	-1,612	-0.71	20.53	20.44	0.09	-0.44	18
-452	16.64	-3,811	-16.43	7.42	7.43	+0.01	+0.13	19
+4,225	+5.68	+2,778	+4.09	0.91	0.90	-0.01	-1.10	20
-168	-6.44	+1,608	+7.86	7.84	9.04	+1.20	+15.31	21
+4,389	+33.82	+17,018	+28.94	4.47	4.32	-0.15	3.86	22
-138	-6.72	—321	-1.08	14.51	15.39	+0.88	+6.06	23
+238	+0.71	+7,578	+5.83	3.87	4.07	+0.20	+5.17	24
+649	+3.07	+4,603	+11.12	1.96	2.11	+0.15	+7.65	25
+140%	+13.77	+5,369	+26.45	19.87	22.09	+2.22	+11.17	26
-1,697	-17.71	-386,796	-20.58	196.34	189.54	-6.80	-3.46	27
+1,3911/4	+30.42	+93,123	+16.41	124.07	110.75	-13.32	-10.74	28
+130%	+130.88	+19,298	+125.17	154.17	150.36	-3.81	-2.47	29
+1,480%	+27.92	+230,887	+40.97	106.30	117.14	+10.84	+10.20	30
+1,5281/4	+24.21	+360,258	+32.08	178.76	190.01	+11.25	+6.29	31
-6,415	-21.56	5,095	-12.69	1.35	1.50	+0.15	+11.11	32
-3,696	—13.41	-7,746	-9.15	3.07	3.22	+0.15	+4.89	33
+14,600	+14.26	+18	2=	3.74	3.27	-0.47	-12.57	34
+33,565	+87.38	+226,744	+97.15	6.08	6.39	+0.31	+5.10	35
-15,356	-21.94	61,405	-31.99	2.74	2.39	-0.35	-12.77	36
+33,147	+26.22	+62,057	+17.88	2.75	2.56	0.19	-6.91	37
9,4 10	-39.13	-65,077	-42.05	6.44	6.13	0.31	-4.81	38
	1	Н	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u></u>

¹ No change in average price. ² Less than one one-hundredth of one per cent.

STOCK USED: BY INDUSTRIES — Continued.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED
— 1890, 1891 — Continued.

1		ARTICLES.			Basis	1890		1891	
- 1						Quantity	Value	Quantity	Value
	Hogs,					1,252,158	\$15,293,187	1,582,614	\$20,147,6 52
2	Hops,	•		•	100 pounds	14,115	242,862	13,095	819,786
3	Horns, cattle .	•	:	•	thousand	1,975	71,803	1,850	66,300
4	Indigo,	•	•		100 pounds	1,784	192,622	1,599	183,726
5	Angle,				tons	1,504 1/4	65,318	2,2521/4	94,655
6	Bar,				tons	3,492%	149,273	8,3871/4	157,134
7	Cast,				tons	10,457%	565,347	9,914%	523, 186
8	Galvanized,				tons	71%	6,990	86%	7,731
9	Gray,				tons	644 1/4	24,704	691	23,590
10	Ноор,				tons	287 %	18,863	297%	18,221
11	Malleable, .				tons	542%	67,171	525⅓	63,216
12	Old,				tons	1,773	25,810	2,126%	31,671
18	Pig,				tons	92,59534	1,810,429	98,120%	1,823,548
14	Scrap,				tons	44,214%	654,414	47,553	795,360
15	Sheet,				tons	2,8613	284,647	2,172%	181,067
16	Wrought, .				tons	5,113	297,746	6,006	849,497
17	Iron, n. s.,* .	•	•	•	tons	8 8,970⅓	1,128,005	39,659	1,095,450
18	Jute,	•	•	•	100 pounds	11,483	40,322	15,643	48,284
19	Keys, organ .	•	•	•	sets	2,700	5,424	2,925	5,890
·20	Lard,				100 pounds	43,837	271,135	48,299	312,816
21	Lead,	•		•	100 pounds	14,461	72,899	14,393	70,652
	Leather:						i		
22	Belt,	•	•		100 pounds	5,249	161,089	4,836	148,034
23	Calfskin, .	•	•		100 pounds	1,142	56,100	883	48,502
24	Enamelled (for	car	riage	ı),	100 feet	2,392	44,035	2,864	44,66
25	Kid,		•	•	100 feet	2,482	58,635	3,142	71,321
26	Rough, .		•	•	100 pounds	21,620	813,553	13,083	194,881
27	Rough, .		•	•	sides	867,295	2,022,901	454,166	949,180
28	Scrap,	•	•	•	tons	5,169%	1 -	4,811	283,131
29	Sole,	•	•	•	100 pounds	1	10,647,428	506,062	9,704,52
80	Sole,	•	•	•	sides	314,557	926,152	215,611	569,863
81	Split (rough),	•	•	•	tons	2,034%	1	1,815%	
82	Upper,	•	•	٠	100 pounds	84,789	777,695	80,995	675,030
83	Upper,	•	•	•	100 feet	621,376	8,450,535	606,582	8,216,28
84	Leather, n. s.,*		•	٠	100 pounds	81,571	521,738	25,702	429,13
85	Leather, n. s.,*		•	•	100 feet	6,644	95,951	7,165	102,32
36	Leather, n. s.,*	•	•	٠	sides	58,561	118,958	41,353	87,74
37	Leather-board, . Lumber:	•	•	•	tons	604%	45,098	6361/4	46,56
38	Ash				M feet	1 004	86,774	1,164	82,92
39	Chestnut, .	•	•	•	M feet	1,226 8,325	57,936	3,978	71,38

^{*} Not specified as to particular kind.

STOCK USED: BY INDUSTRIES — Continued.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED
— 1890, 1891 — Continued.

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Increase (crease (), in 1891 as with	+), or De- in Quantity compared i 1890	INCREASE (+), or De- in Value in ompared 1890		e Value Basis	INCREA OR DECRE AVERAGE BASIS	se (+), ase (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
+330,456	+26.39	+\$4,854,465	+81.74	\$12.21	\$12.78	+\$0.52	+4.26	1
-1,020	-7.23	+76,924	+31.67	17.21	24.42	+7.21	+41.89	2
125	-6.83	-5,503	-7.66	86.36	35.84	-0.52	-1.43	3
-135	-7.79	8,896	-4.62	111.09	114.90	+3.81	+3.43	4
+747%	+49.70	+29,337	+44.91	43.42	42.03	1.39	-3.20	5
—105 ⅓	-3.02	+7,861	+5.27	42.74	46.39	+3.65	+8.54	6
-543	-5.19	-42,161	7.46	54.06	52.77	-1.29	-2.39	7
+151/4	+21.29	+741	+10.60	97.59	88.99	-8.60	-8.81	8
+461/4	+7.21	-1,114	-4.51	38.33	34.14	-4.19	-10.93	9
+9%	+3.30	-642	-3.40	65.58	61.32	-4.26	-6.50	10
-16%	-3.11	-3,955	5.89	123.85	120.30	-3.55	-2.87	111
+353%	+19.96	+6,361	+25.13	14.28	14.89	+0.61	+4.27	12
+5,525%	+5.97	+13,119	+0.72	19.55	18.58	-0.97	-4.96	13
+3,33834	+7.55	+140,946	+21.54	14.80	16.73	+1.93	+13.04	14
-68834	-24.07	53,580	22.83	82.00	83.34	+1.34	+1.63	15
+893	+17.47	+51,751	+17.38	58.23	58.19	-0.04	-0.07	16
+6881/4	+1.77	-32,555	-2.89	28.95	27.62	-1.33	-4.59	17
+4,160	+36.28	+7,962	+19.75	8.51	3.09	-0.42	-11.97	18
+225	+8.33	+466	+8.59	2.01	2.01	1=	1=	19
+4,462	+10.18	+41,681	+15.37	6.19	6.48	+0.29	+4.68	20
68	-0.47	-2,247	-3.08	5.04	4.91	-0.13	-2.58	21
—413	-7.87	13,055	-8.10	30.69	80.61	-0.08	-0.26	22
259	-22.68	-7,598	-13.54	49.12	54.93	+5.81	+11.83	23
+472	+19.73	+632	+1.44	18.41	15.60	-2.81	-15.26	24
-1-660	+26.59	+12,686	+21.64	23.62	22.70	-0.92	-3.90	25
-8,537	-39.49	-118,672	-37.85	14.50	14.90	+0.40	+2.76	26
-413,129	-47.63	-1,073,721	53.08	2.33	2.09	-0.24	-10.30	27
-358%	-6.94	-26,719	-8.62	59.94	58.85	-1.09	1.82	28
-34,410	-6.35	-942,906	-8.86	19.70	19.18	-0.52	-2.64	29
-98,946	-31.46	-356,287	-38.47	2.94	2.64	-0.30	-10.20	30
-219t	-10.77	-74,459	-16.08	227.57	214.02	-13.55	-5.95	31
-3,794	-10.91	-102,665	-13.20	22.35	21.78	-0.57	-2.55	32
-14,794	-2.38	-234,249	-2.77	13.60	13.55	-0.05	-0.37	33
-5,869	-18.59	-92,607	-17.75	16.53	16.70	+0.17	+1.03	84
+521	+7.84	+6,369	+6.64	14.44	14.28	-0.16	-1.11	35
-17,208	-29.38	-31,218	-26.24	2.03	2.12	+0.09	+4.43	36
+32	+5.29	+1,466	+3.25	74.60	73.16	-1.44	-1.93	37
62	-5.06	9 950	-10.47	80.00	28.29	-1.71	_5.70	38
62 653	-5.06 +19.64	-3,850 +13,395	-10.47 +23.12	30.00 17.42	17.93	+0.51	+2.93	39
7000	T19.05	T10,080	T20.12	11.42	11.80	70.01	T4.50	

[†] One-twelfth.

¹ No change in average price.

STOCK USED: BY INDUSTRIES — Continued.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED
— 1890, 1891 — Continued.

	Articles.	Basis	18	P0	18:	D1
			Quantity	Value	Quantity	Value
	Lumber: - Con.					
1	Oak,	1	1,863 1	\$46,092	1,272	\$41,557
2	Pine,	M feet	27,174%	890,546	26,538%	384,864
3	Spruce,	M feet	2,561	42,096	8,062	49,554
4	Whitewood,	M feet	2,196	70,707	2,258	75,353
5	Malt,	. 100 bushels	10,616	906,538	10,956	1,009,343
6	Meal, corn	. 100 pounds	7,793	11,159	6,301	9,138
7	Molasses,	. 100 gallons	16,023	401,395	15,997	829,476
8	Molasses (for rum),	. 100 gallons	6,076	95,575	8,843	111,123
9	Nails,*	. 100 pounds	5,424	17,440	4,280	14,574
10	Naphtha,	. 100 gallons	1,193	10,446	1,129	9,950
11	Oats, Oii:	. 100 bushels	1,644	71,791	1,406	71,372
12	Curriers'	. 100 gallons	409	9,034	401	8,281
13		barrels	2,541	34,922	1,887	27,551
14	Linseed	100 gallons	1,735	97,287	1,943	94,543
15	Linseed (raw),	. barrels	1,360	35,800	1,710	42,750
16	Palm	. pounds	261,314	13,178	280,938	14,062
17	Oils, essential	. pounds	2,630	6,058	3,234	6,757
18	Ore, iron	tons	9,480	38,284	17,802	69,809
19	Paper, albumen	. reams	255	8,505	256	9,390
20	` ` '	. tons	25,279	1,481,980	22,616	1,516,774
21	Paste,	. barrels	687	1,370	738	1,518
22			4,267	7,457	4,857	7,254
23	Plate, steel	ounces tons	1,124	49,804	899	39,998
24	TO 4 . 4 1	1	2,938	125,248	1,528	65,714
25	Plates, dry	. dozen	5,800	9,900	6,250	10,700
26	Plumbago,	. tons	1,9521/2	120,126	8,015	164,812
27	Pot 1	. yards	20,809	35,300	20,400	81,500
28	Pork,	. 100 pounds	13,944	70,838	11,982	71,278
29	· ·	. tons	2543	23,445	278	27,043
30	Pulp, wood	. tons	31,809	1,267,179	47,610	1,890,437
31	Pulp-board,	tons	193	8,962	834	13,980
32	Page old (farmaner)	tona	55,089%	8,044,799	57,119%	B 007 000
33	Rags, old (for paper),	tons tons	1		11	3,007,932
	Rags, woollen (for shoddy), Rails, iron (old),	. tons	3, 6 89 9,576	462,596 239,650	8,568 %	439,146
34 35	, , ,,	1	1 .	1	7,700	184,520
36	· ·	. 100 pounds . 100 pounds	76,512 20,070	667,970	79,566 23,351	640,220
36	Rice,	tons	1 .	51,738	11	60,610
38	Rivet-rods, iron (Norway),	1	1,900 932	118,680	1,752	107,481
	•	. 100 pounds	I .	3,929	1,375	6,170
39	Rods, wire	. tons	4,148	197,757	4,427	213,005

^{*} Not specified as to particular kind.

STOCK USED: BY INDUSTRIES — Continued.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED

-1890, 1891 - Continued.

Quantity Percentages Amounts Percentages 1891 Amounts Percentages -91¼ -6.71 -\$4,535 -9.84 \$33.80 \$32.67 -\$1.13 -3.24 +501 +19.56 +7,458 +17.72 16.44 16.18 -0.26 -1.58 +62 +2.82 +4,646 +6.57 32.20 33.37 +1.17 +3.63 -1,462 -19.16 -2,021 -11.11 1.43 1.49 +0.26 -1.88 -1,462 -19.16 -2,021 -18.11 1.43 1.49 +0.26 -11.49 -1.49 -2.64 -1.71.79 -17.92 25.06 20.60 -4.45 -17.76 +2.767 +45.54 +15.548 +16.27 15.78 12.57 -3.16 -20.09 -1.144 -21.09 -2,866 -16.43 3.22 3.41 +0.19 +5.90 -4.65 -8.16 -20.09 -2.64 -2.77 56.04 48.66 -7.38 -18.17 -2.20 -2.20	Increase (-), crease (-), in 1891 as with	+), OR DE- IN QUANTITY COMPARED I 1890	1891 AS C	+), OR I)E- IN VALUE IN OMPARED I 1890	AVERAGI PER I		AVERAGE	se (+), ase (-), in Price per in 1891	
-636	Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts		
-636	•								
-636	91 3⁄2	-6.71	-\$4,585	-9.84	\$33.80	\$32.67	-\$1.13	-3.34	1
+501		-2.34	01	1	11		1 -	+0.90	2
+340 +3.20 +102,810 +11.34 85.89 92.13 +6.74 +7.89 -1,492 -19.15 -2,021 -18.11 1.43 1.44 +0.02 +1.40 -2.68 -0.16 -71,919 -17.92 25.05 20.60 -4.45 -17.76 +2,767 +46.54 +15,548 +16.27 15.73 12.57 -3.16 -20.09 -1,144 -21.00 -2,866 -16.43 3.22 3.41 +0.19 +5.90 -64 -5.36 -496 -4.75 8.76 8.81 +0.05 +0.57 -238 -14.48 -419 -0.58 43.67 50.76 +7.09 +16.24 -25.74 -7,871 -21.11 13.74 14.00 +0.86 +6.26 +2.68 +2.574 +6,950 +19.41 29.32 25.00 -1.32 -5.02 +19,624 +7.51 +884 +6.71 0.05 0.05 12 -1.32 -5.02 +19,624 +7.51 +884 +6.71 0.05 0.05 12 -1.32 -5.02 +10,624 +7.51 +884 +6.71 0.05 0.05 12 -1.29 -7.91 +8.322 +87.78 +31,525 +82.35 4.04 3.92 -0.12 -2.97 +46 +6.70 +148 +10.80 1.99 2.07 +0.08 +4.02 +4.02 +1.88 -203 -2.72 1.75 1.49 -0.26 -14.86 -225 -20.02 -9,806 -19.09 44.31 44.49 +0.18 +0.41 +4.01 +4.06 +1.08 -1.08 -1.08 +4.02 +	+501	+19.56	+7,458	+17.72	16.44	16.18	-0.26	-1.58	3
-1,492 -19.15 -2,021 -18.11	+62	+2.82	+4,646	+6.57	82.20	33.37	+1.17	+3.63	4
-26	+340	+3.20	+102,810	+11.34	85.39	92.13	+6.74	+7.89	5
+2,767 +45.54 +15,548 +16.27 15.73 12.57 -3.16 -20.09 -1,144 -21.09 -2,866 -16.43 3.22 3.41 +0.19 +5.90 -64 -5.86 -496 -4.75 8.76 8.81 +0.05 +0.57 -238 -14.48 -419 -0.58 43.67 50.76 +7.09 +16.24 -8 -1.96 -753 -8.34 22.09 20.65 -1.44 -6.52 -654 -25.74 -7,371 -21.11 13.74 14.60 +0.86 +6.26 +208 +11.99 -2,664 -2.77 56.04 48.66 -7.38 -13.17 +350 +25.74 +6,950 +19.41 26.32 25.00 -1.32 -5.02 +19,624 +7.51 +884 +6.71 0.05 0.05 1= 1= 1= 1= 1= 1= 1= 1= 1= 1= 1= 1= 1= <	-1,492	-19.15	2,021	-18.11	1.43	1.45	+0.02	+1.40	6
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	26	-0.16	—71,919	-17.92	25.05	20.60	-4.45	-17.76	7
-64	+2,767	+45.54	+15,548	+16.27	15.78	12.57	-3.16	20.09	8
-64	-1.144	-21.09	-2.866	-16.43	3.22	3.41	+0.19	+5.90	9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	· ·	1 1	1	1	1	l .		1	10
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-238	-14.48	—419	-0.58	43.67	50.76	+7.09	+16.24	11
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	8	1.96	753	9.1	22.00	20.65	_1.44	-6.52	12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				1	1		1	ľ	13
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1 1	-		lk .	l	1 '	1 '	14
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	•	1 ' 1	H	1	il .		1		15
+604 +22.97 +704 +11.63 2.30 2.09 -0.21 -9.13 +8,322 +87.78 +31,525 +82.35 4.04 3.92 -0.12 -2.97 +1 +0.89 +885 +10.41 33.35 36.88 +3.33 +9.99 -2,663 -10.53 +34,704 +2.35 58.62 67.07 +8.45 +14.41 +46 +6.70 +148 +10.80 1.99 2.07 +0.08 +4.02 +590 +18.83 -203 -2.72 1.75 1.49 -0.26 -14.86 -225 -20.02 -9,806 -19.69 44.31 44.49 +0.18 +0.41 -1,410 -47.99 -59,534 -47.53 42.63 43.01 +0.38 +0.89 +450 +7.76 +800 +8.08 1.71 1.71 1.71 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.22 1.22 1.22 1.22	-	1 '	1				1		16
+8,322 +87.78 +31,525 +82.35 4.04 3.92 -0.12 -2.97 +1 +0.89 +885 +10.41 33.35 36.68 +3.33 +9.99 -2,663 -10.53 +34,794 +2.35 58.62 67.07 +8.45 +14.41 +46 +6.70 +148 +10.80 1.99 2.07 +0.08 +4.02 +590 +18.83 -203 -2.72 1.75 1.49 -0.26 -14.86 -225 -20.02 -9,806 -19.69 44.31 44.49 +0.18 +0.41 -1,410 -47.99 -59,534 -47.53 42.63 43.01 +0.38 +0.89 +450 +7.76 +800 +8.03 1.71 1.71 1.71 1.2 1= 1= +1,062½ +54.42 +44,686 +37.20 61.52 54.66 -6.86 -11.15 -400 -1.92 -3,800 -10.76 1.70 1.54 -0.16 -9.41 -1,962 +4.07 +440 +0.62 5.08 5.95 +0.87 <	• •	1 ' 1	1	1	3	ı	1	-9.13	17
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			1		4.04	1	-0.12	-2.97	18
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$.1.1	ىد بىد مەمىد	1.995	±10.41	92 35	34.48	T3 83	_L0 00	19
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1 ' 1			li	ł	1 .		20
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-)	1	1 '	И	ı	11		21
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	i	1 '		1 '	l)		11		22
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-	1 '	lt.	1	14		11	ı	23
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-1,410	(1	1 '	42.63	43.01		1 '	24
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	- -4 50	+7.76		+8.08	1.71	1.71	1=	1=	25
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	+1,062%	+54.42	+44,686	+37.20	61.52	54.66	6.86	11.15	26
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	400	1.92	3,800	-10.76	1.70	1.54	0.16	-9.41	27
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,962	14.07	+440	+0.62	5.08	5.95	+0.87	+17.13	28
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	+281/2	+9.28	+3,598	+15.35	92.12	97.28	+5.16	+5.60	29
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	+15,801	+49.67	+623,258	+49.18	39.84	39.71	-0.13	-0.33	30
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	+141	+78.06	+4,998	+55.64	46.54	41.86	-4.68	-10.06	81
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	+2,0301/	+3.69	—36,867	-1.21	55.27	52.66	-2.61	-4.72	32
+1,054 +1.34 -27,750 -4.15 8.51 8.05 -0.46 -5.41 +3,281 +16.35 +8,872 +17.15 2.58 2.60 +0.02 +0.76 -148 -7.79 -11,199 -9.44 62.46 61.35 -1.11 -1.78	-120%	-3.28	-23,450	-5.07	125.40	123.07	-2.33	1.86	33
+3,281 +16.35 +8,872 +17.15 2.58 2.60 +0.02 +0.76 -148 -7.79 -11,199 -9.44 62.46 61.35 -1.11 -1.78	1,876	-19.59	55,130	→23.00	25.03	23.96	-1.07	-4.27	34
-148 -7.79 -11,199 -9.44 62.46 61.35 -1.11 -1.78	+1,054	+1.34	27,750	-4.15	8.51	8.05	-0.46	-5.41	35
1 1 1 1 1 1 1 1	+3,281		+8,872	+17.15	2.58	2.60	+0.02	+0.76	36
	148	1	11,199	-9.44	62.46	61.35	-1.11	-1.78	37
+143 +47.53 +2,241 +57.04 4.22 4.49 +0.27 +6.40		1 - 1	1	1 '	1	l		1 '	38
+279 +6.73 +15,248 +7.71 47.68 48.11 +0.43 +0.90	+279	+6.73	+15,248	+7.71	47.68	48.11	+0.43	+0.90	39

¹ No change in average price.

STOCK USED: BY INDUSTRIES—Continued. COMPARISON OF QUANTITIES AND VALUES OF STOCK USED—1890, 1891—Continued.

	ARTICLES.	Basis	18	190	18	91
			Quantity	Value	Quantity	Value
1	Rope, manila (old),	. 100 pounds	89,044	\$236,421	106,767	\$264,858
2	Rosin,	. 100 pounds	54,093	77,689	45,660	63,599
3	Rubber, crude	. 100 pounds	74,283	3,382,672	71,384	4,208,757
4	Rubber, old	. 100 pounds	41,000	165,000	40,350	164,400
5	Rye,	. bushels	45,455	35,016	42,399	37,592
6	Salt,	tons	1,861%	10,426	1,3711/4	7,684
7	Sand (for glass),	. tons	1,731	5,170	1,630	5,364
8	Sand, moulding	. tons	4,030	13,180	3,986	12,630
9	Satin,	. 100 yards	481	22,285	318	16,793
10	Shellac,	. 100 pounds	1,492	34,762	1,418	31,466
11	Shoddy,	. 100 pounds	46,827	426,3 6 8	54,082	530,488
12	Silk, raw	. 100 pounds	5,602	2,387,478	6,411	2,459,281
13	Silver,	. ounces	843,607	841,572	412,876	429,806
14	Silver, German Skins:	. 100 pounds	1,179	34,780	1,812	56,710
15	Calf	. dozen	491	11.088	484	10,467
16	Calf (green),		200,000	120,000	250,000	187,500
17	Calf (rough),		143,000	113,802	180,000	142,243
18	Goat,	. dozen	169,277	1,195,831	159,813	1,089,598
19	Goat (India),	. dozen	55,991	402,007	61,405	414,588
20	Lamb,	. dozen	3,024	21,696	3,368	26,435
21	Seal.		1,463	44,750	1,286	39,350
22	Sheep,	dozen	441,189	1,294,818	349,797	1,235,579
23	Soda, caustic	. tons	2,5971/2		2,12214	126,330
24	Soda, nitrate of	. tons	8453/4	35,841	8551/2	34,548
25	Soda ash,	. tons	46914	13,562	531%	18,991
26	Solder,	. 100 pounds	737	10,041	710	9,755
27	Soles,	. 100 pairs	54,016	613,764	58,824	643,630
28	Spelter,	. 100 pounds	39,774	218,748	32,265	172,204
29	Spiegeleisen,	. tons	2731/2	19,072	202	12,533
30	Starch, potato	. 100 pounds	9,459	34,700	9,620	81,479
	Steel:				1 1	
31	Band,	. tons	844	45,080	806	41,533
32	Bar,	. tons	185	13,811	186¾	14,415
8 3	Cast,	. tons	158%	23,488	129 1/2	20,494
34	Gun,	. tons	35214	27,772	280⅓	20,172
35	Machinery,	. tons	121/2	991	16	1,362
36	Open-hearth,	. tons	, 149	8,956	165%	10,942
37	Tool,	. 100 pounds	841	4,708	352	4,870
38	Steel, $n.s.$,*	. tons	9,959	877,801	11,104%	956,151
39	Straw-board,	. tons	8,0241/4	882,623	7,678	30 0,084
40	Straw braid,	. 100 pieces	10,715	238,249	10,407	224,846
41	Sugar, refined	. 100 pounds	163,755	1,014,545	172,314	799,510
42	Sugar, refined	. barrels	9,197	196,371	8,768	153,100
43	Sumac,	. tons	995	57,931	674%	43,154

^{*} Not specified as to particular kind.

STOCK USED: BY INDUSTRIES - Continued.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED — 1890, 1891 — Continued.

INCREASE (-), CREASE (-), IN 1891 AS WITH	+), or De- in Quantity compared i 1890	1891 AS C	+), or De- in Value in ompared i 1890	Averagi Per B		AVERAGE	se (+), ase (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
+17,723	+19.90	+\$28,437	+12.08	\$2.66	\$2.48	-\$0.13	-6.77	1
-8,433	-15.59	-14,090	-18.14	1.44	1.39	-0.05	-3.47	2
-2,899	3.90	+826,085	+24.42	45.54	58.96	+13.42	+29.47	8
650	-1.59	600	-0.36	4.02	4.07	+0.05	+1.24	4
3,056	6.72	+2,576	+7.36	0.77	0.89	+0.12	+15.58	5
-490%	-26.33	-2,742	-26.30	5.60	5.60	1==	1=	6
101	5.83	+194	+3.75	2.99	8.29	+0.30	+10.08	7
-44	1.09	550	-4.17	3.27	3.17	-0.10	-3.06	8
163	-33.89	5,492	-24.64	46.33	52.81	+6.48	+13.99	9
74	-4.96	-3,296	9.48	23.30	22.19	-1.11	-4:76	10
+7,255	+15.49	+104,120	+24.42	9.11	9.81	+0.70	+7.68	11
+809	+14.44	+71,803	+3.01	426.18	383.60	-42.58	9.99	12
+69,269	+20.16	+88,234	+25.83	0.99	1.04	+0.05	+5.05	13
-+-633	+53.69	+21,930	+63.05	29.50	31.30	+1.80	+6.10	14
_7	-1.43	-621	5.60	22.58	21.63	-0.95	-4.21	15
+50,000	+25.00	+67,500	+56.25	0.60	0.75	+0.15	+25.00	16
+37,000	+25.87	+28,441	+24.99	0.80	0.79	-0.01	-1.25	17
9,964	-5.89	-106,233	-8.88	7.06	6.84	-0.22	-3.12	18
+5,414	- -9 .67	+12,581	+3.13	7.18	6.75	-0.43	5.99	19
+344	+11.38	+4,739	+21.84	7.17	7.85	+0.68	+9.48	20
—177	-12.10	5,400	-12.07	30.59	30.60	+0.01	+0.03	21
91,392	-20.71	59,239	-4.58	2.93	8.53	+0.60	+20.48	22
-4751/4	18.30	29,925	-19.15	60.16	59.53	-0.63	-1.05	23
+9%	+1.15	-1,293	-3.61	42.38	40.38	-2.00	-4.72	24
+621/4	+13.32	+5,429	+40.03	28.90	85.71	+6.81	+23.56	25
-27	3.66	286	-2.85	13.62	18.74	+0.12	+0.88	26
- -4,808	-+8.90	+29,866	+1.87	11.36	10.94	-0.42	-3.70	27
7,509	-18.88	46,539	-21.28	5.50	5.84	-0.16	-2.91	28
—71 ⅓	-26.14	6,539	-34.29	69.73	62.04	-7.69	-11.03	29
+161	+1.70	-221	-0.64	3.67	3.58	0.09	-2.45	30
38	-4.50	-3,547	—7.87	53.41	51.53	-1.88	-3.52	31
+1%	+0.95	+604	+4.37	74.65	77.19	+2.54	+3.40	32
-291/4	-18.48	2,994	-12.75	147.96	158.25	+10.29	+6.95	33
—71%	20.37	-7,600	-27.87	78.84	71.91	-6.93	-8.79	34
+3%	+28.00	+371	+37.44	79.28	85.13	+5.85	+7.38	35
+16%	+11.07	+1,986	+22.18	60.11	66.11	+6.00	+9.98	36
+11	+3.23	+162	+3.44	13.81	13.84	+0.03	+0.22	37
+1,145%	+11.50	+78,350	+8.93	88.14	86.11	-2.03	-2.30	38
-3461/4	-4.82	-32,539	-9.78	41.45	39.08	-2.37	-5.72	39
308	-2.87	13,403	-5.63	22.24	21.61	0.63	-2.83	40
	+5.23	-215,035	-21.20	6.20	4.64	-1.56	25.16	41
-429	-4.66	-43,271	22.04	21.35	17.46	-3.89	-18.22	42
-320⅓	-32.20	-14,777	25.51	58.22	63.97	+5.75	+9.88	43
			·	·			•	

¹ No change in average price.

STOCK USED: BY INDUSTRIES — Concluded.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED
— 1890, 1891 — Concluded.

•	ARTICLES.		Basis	18	90	18	91
				Quantity	Value	Quantity	Value
1	Tallow,		100 pounds	131,644	\$488,8 52	117,282	\$440,432
2	Tallow, refined		100 pounds	56,007	277,743	49,300	275,140
8	Tallow, rough	•	100 pounds	94,253	252,155	81,699	229,508
4	Thread, rubber	•	100 pounds	3,285	437,846	3,309	464,001
5	Tin,*		100 pounds	6,111	180,866	8,299	168,494
6	Tin-plate,		boxes	41,306	268,198	54,395	841,581
7	Tobacco,*		100 pounds	3,949	212,783	8,806	211,033
8	Tobacco, domestic	•	100 pounds	4,187	98,102	4,014	100,763
9	Tobacco, foreign		100 pounds	5,270	632,607	4,958	602,083
10	Tubes, boiler		100 feet	8,826	50,539	8,519	46,629
11	Twine, cotton	•	100 pounds	2,985	64,470	4,498	92,206
12	Uppers, rubber		pairs	19,620	88,465	12,972	28,668
18	Warp, cotton		100 yards	95,180	210,603	110,344	249,800
14	Waste, cotton	•	100 pounds	375,504	1,524,495	431,057	1,721,499
15	Waste, woollen		100 pounds	11,522	95,095	9,577	96,655
	Wire:						
16	Brass,		100 pounds	932	19,418	979	17,398
17	Copper,	•	100 pounds	1,800	41,600	1,297	24,640
18	Iron,		100 pounds	83,652	418,739	63,512	293,630
19	Steel,		100 pounds	84,557	121,731	23,169	111,752
20	Wire, n. s.,*		100 pounds	42,249	177,927	52,114	195,535
21	Wood (for burning brick),		cords	47,690	184,273	48,568	186,936
22	Wool,*		100 pounds	811,497	9,198,491	329,923	9,949,670
23	Wool, scoured		100 pounds	80,058	3,705,998	63,381	3,423,982
24	Wool, unscoured	•	100 pounds	186,983	4,208,376	260,975	5,854,119
	Yarn:						
25	Cotton,	•	100 pounds	142,632	8,241,026	164,060	8,714,426
26	Jute,	•	100 pounds	5,996	60,193	5,376	44,838
27	Linen,	•	100 pounds	6,648	108,164	7,813	127,401
28	Mohair,	•	pounds	32,268	66,536	42,105	74,313
29	Silk,	•	pounds	6,332	44,758	8,696	50,034
80	Woollen,	٠	100 pounds	816	62,460	822	65,431
81	Worsted,	•	100 pounds	85,174	2,909,528	88,893	8,250,636
82	Zinc, oxide of		100 pounds	3,156	13,650	8,660	15,680
3 3	Zinc, sheet	•	100 pounds	10,798	71,198	10,056	61,424

^{*} Not specified as to particular kind.

STOCK USED: BY INDUSTRIES — Concluded.

COMPARISON OF QUANTITIES AND VALUES OF STOCK USED
— 1890, 1891 — Concluded.

								=
IN 1891 AS	(+), or De- , in Quantity COMPARED H 1890	1891 AS C	+), or De- in Value in ompared 1890	AVERAGI PER I		AVERAGE	se (+), ase (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1801	Amounts	Percent- ages	
-14,362	-10.91	-\$48,420	-9.90	\$8.71	\$3.76	+\$0.05	+0.18	1
6,707	11.98	2,603	-0.94	4.96	5.58	+0.62	+12.50	2
-12,554	-13.32	-22,647	-8.98	2.68	2.81	+0.13	+4.85	8
+24	+0.78	+26,155	+5.97	133.29	140.22	+6.93	+5.20	4
+2,188	+35.80	+38,128	+29.25	21.83	20.30	-1.03	-4.83	5
+13,089	+31.69	+73,383	+27.36	6.49	6.28	0.21	-8.24	6
143	8.62	1,750	0.82	53.88	55.45	+1.57	+2.91	7
178	-4.18	+2,661	+2.71	23.43	25. 10	+1.67	+7.18	8
312	-5.92	-30,524	-4.83	120.04	121.44	+1.40	+1.17	9
-307	-8.02	-3,910	-7.74	18.21	18.25	+0.04	+0.30	10
+1,513	+50.69	+27,736	+43.02	21.60	20.50	-1.10	5.09	11
6,648	-33.88	—9, 797	-25.47	1.96	2.21	+0.25	+12.76	12
+15,164	+15.98	+39,197	+18.61	2.21	2.26	+0.05	+2.26	13
+55,558	+14.79	+197,004	+12.92	4.06	8.99	-0.07	-1.72	14
1,945	-16.88	+15.60	+1.64	8.25	10.09	+1.84	+22.30	15
+47	+5.04	—2, 025	-10.43	20.83	17.77	-8.06	-14.69	16
503	-27.94	16,960	-40.77	23.11	19.00	-4.11	-17.78	17
-20,140	-24.08	-125,109	-29.88	5.01	4.62	0.39	-7.78	18
11,388	32.95	-9,979	-8.20	8.52	4.82	+1.30	+36.98	19
+9,865	+23.35	+17,608	+9.90	4.21	8.75	-0.46	10.93	20
+878	+1.84	+2,663	+1.45	8.86	8.85	-0.01	-0.26	21
+18,426	+5.92	+751,179	+8.17	29.53	30.16	+0.63	+2.13	22
-16,677	—20.83	-282,016	7.61	46.29	54.02	+7.73	+16.70	23
+73,992	+39.57	+1,645,743	+39.11	22.51	22.43	-0.08	-0.86	24
+21,428	+15.02	+473,400	+14.61	22.72	22.64	-0.08	0.85	25
620	10.34	15,355	-25.51	10.04	8.34	1.70	16.93	26
+1,165	+17.52	+19,237	+17.79	16.27	16.31	+0.04	+0.25	27
+9,837	+30.49	+7,777	+11.69	2.06	1.76	0.30	-14.56	28
+2,364	+37.83	+5,281	+11.80	7.07	·5.75	-1.32	-18.67	29
+6	+0.74	+2,971	+4.76	76.54	79.60	+3.06	+4.00	30
+3,719	+10.57	+341,108	+11.72	82.72	83.58	+0.86	+1.04	31
+504	+15.97	+2,030	+14.87	4.83	4.28	-0.05	-1.15	82
-742	6.87	9,769	-13.72	6.59	6.11	-0.48	-7.28	88
	<u> </u>	<u> </u>	1		1	"	<u>'</u>	<u></u>



GOODS MADE: BY INDUSTRIES AND TOWNS.



GOODS MADE: BY INDUSTRIES.

1890, 1891.

[In this presentation, the figures given under "Value of Goods Made and Work Done" represent the returns made by the same establishments, in each industry, for the years 1890 and 1891, the whole number of establishments considered in "All Industries" being 3,745. Comparison is made, as regards the value of goods made and work done, between these two years. The relative increase or decrease in 1891 as compared with 1890 is given with its equivalent percentage.]

gricultural implements,	lishment lishment sidered 11	\$1,398,773 2,097,316 2,508,709 453,622 90,550,454 4,514,207 1,183,861 1,262,499 360,099 1,269,823 7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	\$1,196,237 2,463,477 2,670,371 443,830 89,229,603 4,564,781 1,309,591 1,299,836 373,496 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,585 26,405,093	-1,329,851 +50,574 +125,730 +37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+17.44 +6.44 -2.16 -1.46 +1.12 +10.65 +2.96 +3.75 +11.93 +15.96 -14.01 -0.22 -0.27
rms and ammunition,	12 56 30 567 141 45 21 6 17 12 96 4 9 77 113	2,097,316 2,508,709 453,622 90,550,454 4,514,207 1,183,861 1,262,499 360,099 1,269,823 7,731,065 8,959,570 107,300 904,288 5,928,663 25,841,136	2,463,477 2,670,371 443,830 89,229,603 4,564,781 1,309,591 1,299,836 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,885	+366,161 +161,662 -9,792 -1,320,851 +50,574 +125,730 +37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+17.44 +6.44 -2.14 +1.12 +10.63 +2.96 +3.73 +11.93 +15.96 -14.03 -0.22 -0.22
rtisans' tools,	56 30 567 141 45 21 6 17 12 96 4 9 77 113	2,508,709 453,622 90,550,454 4,514,207 1,183,861 1,262,499 360,099 1,269,823 7,731,065 8,959,570 107,300 904,288 5,928,663 25,841,136	2,670,371 443,830 89,229,603 4,564,781 1,309,691 1,299,836 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,885	+161,662 -9,792 -1,320,851 +50,574 +125,730 +37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+6.44 -2.14 -1.44 +1.15 +10.66 +2.99 +3.75 +11.93 +15.96 -14.07 -0.25 -0.27
wnings, sails, tents, etc., oots and shoes, oxes (paper and wooden), rick, tiles, and sewer pipe, rooms, brushes, and mops, urial cases, caskets, coffins, etc., uttons and dress trimmings, arriages and wagons, ement, kaolin, lime, and plaster, hemical preparations (compounded), locks, watches, and jewelry, lothing, ooking, lighting, and heating apparatus, ordage and twine, ootkog oods, otton goods, otton, woollen, and other textiles, rayons, pencils, crucibles, etc., crugs and medicines,	30 567 141 45 21 6 17 12 96 4 9 77 113	453,622 90,550,454 4,514,207 1,183,861 1,262,499 360,099 1,269,823 7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	443,830 89,229,603 4,564,781 1,309,591 1,299,836 373,496 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,885	-9,792 -1,320,851 +50,574 +125,730 +37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	-2.1(-1.4(+1.1) +10.6: +2.90 +3.7: +11.93 +15.90 +3.60 -14.00 -0.2: -0.2:
oots and shoes, oxes (paper and wooden), rick, tiles, and sewer pipe, rooms, brushes, and mops, urial cases, caskets, coffins, etc., uttons and dress trimmings, arriages and wagons, ement, kaolin, lime, and plaster, hemical preparations (compounded), locks, watches, and jewelry, lothing, ooking, lighting, and heating apparatus, ordage and twine, ootkong, bungs, and taps, otton goods, otton, woollen, and other textiles, rayons, pencils, crucibles, etc., crugs and medicines,	567 141 45 21 6 17 12 96 4 9 77 113	90,550,454 4,514,207 1,183,861 1,262,499 360,099 1,269,823 7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	89,229,603 4,564,781 1,309,591 1,299,836 373,496 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,885	-1,329,851 +50,574 +125,730 +37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	-1.44 +1.12 +10.66 +2.99 +3.77 +11.93 +15.99 +3.60 -14.00 -0.22 -0.22
oxes (paper and wooden), rick, tiles, and sewer pipe, rooms, brushes, and mops, urial cases, caskets, coffins, etc., uttons and dress trimmings, arriages and wagons, ement, kaolin, lime, and plaster, hemical preparations (compounded), locks, watches, and jewelry, lothing, ooking, lighting, and heating apparatus, ordage and twine, ootkon goods, ootton goods, ootton, woollen, and other textiles, rayons, pencils, crucibles, etc., crugs and medicines,	141 45 21 6 17 12 96 4 9 77 113	4,514,207 1,183,861 1,262,499 360,099 1,269,823 7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	4,564,781 1,309,591 1,299,836 373,496 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,585	+50,574 +125,730 +37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+1.15 +10.65 +2.99 +3.75 +11.95 +3.66 -14.05 -0.22 -0.22
rick, tiles, and sewer pipe, rooms, brushes, and mops, urial cases, caskets, coffins, etc., uttons and dress trimmings, arpetings, ement, kaolin, lime, and plaster, hemical preparations (compounded), locks, watches, and jewelry, lothing, ooking, lighting, and heating apparatus, ordage and twine, ootkon, bungs, and taps, ootton goods, ootton, woollen, and other textiles, rayons, pencils, crucibles, etc., crugs and medicines,	45 21 6 17 12 96 4 9 77 113	1,183,861 1,262,499 360,099 1,269,823 7,731,055 3,959,570 107,300 904,288 5,928,663 25,841,136	1,309,591 1,299,836 373,496 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,585	+125,730 +37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+10.6 +2.9 +3.7 +11.9 +15.9 +3.6 -14.0 -0.2 -0.2
rooms, brushes, and mops, urial cases, caskets, coffins, etc., uttons and dress trimmings, arpetings, arriages and wagons, ement, kaolin, lime, and plaster, hemical preparations (compounded), locks, watches, and jeweiry, lothing, ooking, lighting, and heating apparatus, ordage and twine, ootkon, bungs, and taps, ootton goods, otton, woollen, and other textiles, rayons, pencils, crucibles, etc., crugs and medicines,	21 6 17 12 96 4 9 77 113	1,262,499 360,099 1,269,823 7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	1,299,836 373,496 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,585	+37,337 +13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+2.9 +3.7 +11.9 +15.9 +3.6 -14.0 -0.2 -0.2
urial cases, caskets, comins, etc., uttons and dress trimmings,	6 17 12 96 4 9 77 113	360,099 1,269,823 7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	373,496 1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,585	+13,397 +151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+3.75 +11.95 +15.96 +3.66 -14.05 -0.2
uttons and dress trimmings, arpetings,	17 12 96 4 9 77 113	1,269,823 7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	1,421,289 8,967,614 4,105,774 92,270 902,359 5,912,585	+151,466 +1,236,559 +146,204 -15,030 -1,929 -16,078	+11.93 +15.96 +3.66 -14.0 -0.2
arpetings,	12 96 4 9 77 113	7,731,055 8,959,570 107,300 904,288 5,928,663 25,841,136	8,967,614 4,105,774 92,270 902,359 5,912,585	+1,236,559 +146,204 -15,030 -1,929 -16,078	+15.9 +3.6 -14.0 -0.2 -0.2
arriages and wagons, ement, kaolin, lime, and plaster, hemical preparations (compounded), locks, watches, and jewelry, ooking, lighting, and heating ap- paratus, ordage and twine, ootton goods, otton, woollen, and other textiles, rayons, pencils, crucibles, etc., crugs and medicines,	96 4 9 77 113	8,959,570 107,300 904,288 5,928,663 25,841,136	4,105,774 92,270 902,359 5,912,585	+146,204 -15,030 -1,929 -16,078	+3.6 -14.0 -0.2 -0.2
ement, kaolin, lime, and plaster, . hemical preparations (compounded), locks, watches, and jewelry, lothing, cooking, lighting, and heating apparatus, orkage and twine, otton goods, otton, woollen, and other textiles, . rayons, pencils, crucibles, etc., . crugs and medicines,	4 9 77 113	107,300 904,288 5,928,663 25,841,136	92,270 902,359 5,912,585	—15,030 —1,929 —16,078	-14.0 -0.2 -0.2
ement, kaolin, lime, and plaster, . hemical preparations (compounded), locks, watches, and jewelry, lothing, cooking, lighting, and heating apparatus, orkage and twine, otton goods, otton, woollen, and other textiles, . rayons, pencils, crucibles, etc., . crugs and medicines,	9 77 113 81	107,300 904,288 5,928,663 25,841,136	902,359 5,912,585	—1,929 —16,078	-0.2 -0.2
hemical preparations (compounded), locks, watches, and jewelry, lothing,	77 113 81	904,288 5,928,663 25,841,136	5,912,5 85	-16,078	-0.2
locks, watches, and jewelry	113 81	25,841,136			
lothing,	81	25,841,136	26,405,093	+563,957	+2.1
ooking, lighting, and heating apparatus,	81				•
paratus,		9 202 500			
ordage and twine,			3,391,687	+189,088	+5.9
orks, bungs, and taps, otton goods,	25	9,494,761	9,447,666	-47,095	•
otton goods,	4	73,397	64,150	-9,247	
otton, woollen, and other textiles, . rayons, pencils, crucibles, etc., . rugs and medicines,	157	90,063,208	89,857,630	-205,573	
rayons, penciis, crucibles, etc., rugs and medicines,	3	3,315,200	3,673,724	+358,524	+10.8
rugs and medicines,	4	144,009	179,685		•
•	19	3,068,465	3,388,600	+320,135	
	7	1,244,101	1,188,256		•
arthen, plaster, and stone ware,	4	252,341	266,572	+14,231	
lectrical apparatus and appliances,	5	12,703,325	10,431,670	-2,271,655	•
lectroplating.	10	96,146	105,797		
mery and sand paper and cloth, etc.,	18	861,558	935.867	+74,309	
ancy articles,	6	233,659	245,092	+11,433	
ertilizers.	7	406,471	344,962		
ine arts and taxidermy,	2	8,700	9,000	+300	
ireworks and matches,	8	64,750	99,113	1 -	
lax, hemp, jute, and linen goods,	8	3,086,842	8,074,929	-11,913	•
ood preparations,	264	61,376,177	65,000,721	+3,624,544	
urniture,	120	9,362,892	9,939,536	+577,144	•

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

GOODS MADE: BY INDUSTRIES—1890, 1891—Concluded.

Industries.	Number of Estab- lishments	VALUE OF C	Goods Made ork Done	Increase (+), ob Decrease (-), in 1891		
	Con- sidered	1590	1891	Amounts	Percent- ages	
Glass,	10	\$511,260	\$566,356	+\$55,096	+10.78	
Glue, isinglass, and starch,	14	1,157,978	1,037,519	-120,459	-10.40	
Hair work (animal and human), .	10	526,130	533,730	+7,600	+1.44	
Hose: rubber, linen, etc.,	5	669,094	782,179	+113,085	+16.90	
Hosiery and knit goods,	40	4,589,955	5,589,469	+949,514	+20.69	
Ink, mucilage, and paste,	8	897,226				
Ivory, bone, shell, and horn goods, etc.,	13	528,611	1		1	
Leather,	154	20,122,480	1			
Liquors and beverages (not spirit-			1			
uous).	12	359,015	366,283	+7,268	+2.02	
Liquors: malt, distilled, and fer-		000,010	500,200	1 1,200	1 2002	
mented,	49	6,389,913	6,972,169	+582,256	+9.11	
Lumber	25	2,304,282	1	, , ,	+5.52	
Machines and machinery.	263	25,212,841		1 ' '		
Metals and metallic goods.	277	34,124,906	1			
3 6. 3	13	1,939,739			-5.76	
Mixed textiles,	5	93,749			+15.70	
Musical instruments and materials,	46	5,590,946	1	1	-4.55	
·	9			1 1		
Oils and illuminating fluids,	16	1,181,543		1 1	+10.76	
Paints, colors, and crude chemicals,	102	1,129,946		i , i	—7.84 	
Paper and paper goods,		25,219,222		+584,438	+2.82	
Perfumes, toilet articles, etc., .	4	257,225	312,825	+55,600	+21.62	
Photographs and photographic ma-			200 200			
terials,	11	305,041	299,109	-5,932	-1.94	
Polishes and dressing,	18	1,310,420	1,415,582	+105,162	+8.03	
Printing, publishing, and bookbind-						
ing,	24.	8,642,047	8,613,297	-28,750	0.79	
Print works, dye works, and bleach-						
eries,	37	18,406,986		1 ' ' 1	-7.21	
Railroad construction and equipment,	14	3,905,124		+54,087	+1.39	
Rubber and clastic goods,	80 .	22,798,934		1	+3.76	
Scientific instruments and appliances,	11	1,190,672		+93,366	+7.84	
Shipbuilding,	42	1,193,542			+6.86	
Silk and silk goods,	9	4,461,791			+1.10	
Sporting and athletic goods,	9	400,200		+49,843	+12.45	
Stone,	111	8,696,107		+61,494	+1.66	
Straw and palm leaf goods,	17	8,340,090		+830,815	+9.90	
Tallow, candles, soap, and grease, .	55	3,401,099		-130,247	-3.83	
Tobacco, snuff, and cigars,	85	2,423,044	2,517,056	+94,012	+3.88	
Toys and games (children's),	. 8	516,306		+44,628	+8.64	
Trunks and valises,	7	265,062			+1.66	
Whips, lashes, and stocks,	15	991,300			+5.48	
Wooden goods,	149	4,848,082	5,076,486	+228,404	+4.71	
Woollen goods,	188	31,151,139	.83,989,359	+2,838,220	+9.11	
Worsted goods,	21	15,350,196	17,219,318	+1,869,122	+12.18	
All Industries,	3,745	\$605,032,664	\$618,100,717	+\$8,068,053	+1.83	

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS

1887 - 1891.

[In this presentation, the figures given under "Value of Goods Made and Work Done" represent the returns made by the same establishments, in each industry considered, for each of the five years 1887, 1888, 1889, 1890, and 1891, the whole number of establishments represented being 1,130. The table allows of comparison being made, as regards the value of goods made and work done, between any two years of the five years for which figures are given. The relative increase or decrease in 1888 as compared with 1887, in 1889 as compared with 1888, in 1890 as compared with 1889, and in 1891 as compared with 1890, is given, with its equivalent percentage.]

Industries, and Years.									Number of Estab- lishments	Value of Goods Made	INCREASE (+), OR DE- CREASE (-), AS COMPARED WITH PREVIOUS YEAR		
									Con- sidered	and Work Done	Amounts	Percent- ages	
	Ag	ricul	turai	Im	oleme	nts.							
1887, .	•	·•	٠	•	•	•	•	•	5	\$1,211,350	-	-	
1888, .	•	٠	•	•	•	•	•	•	5	1,276,435	+\$65,085	+5.37	
1889, .	•	•	•	•	• .	•	•	•	5	1,305,138	+28,703	+2.25	
1890, .	•	•	•	•	•	•	•	•	5	1,367,841	+62,203	+4.77	
1891, .	•	•	•	•	•	•	•	•	5	1,163,853	203,488	-14.88	
	A	ms a	ınd .	Amm	uniti	on.							
1887, .	•	•	•	•	•	•	•	•	8	\$1,431,979	-	-	
1888, .	•	•	•	•	•	•	•	•	8	1,283,268	-\$148,711	-10.38	
1889, .	•	•	•	•	•	•	•	•	8	1,183,261	100,007	-7.79	
1890, .	•	•	•	٠	•	•	•	•	8	1,319,226	+135,965	+11.49	
1891, .	•	•	•	•	•	•	•	•	8	1,598,648	+279,422	+21.18	
	-	Art	isan	* T	ols.					AT 004 450			
1887, .	•	•	•	•	•	•	•	•	10	\$1,684,413			
1888, .	•	•	•	•	•	•	•	•	10	1,778,148	+\$93,730	+5.56	
1889, .	•	•	•	•	•	•	٠	•	10	1,670,800	107,343	-6.04	
1890, .	•	•	•	٠	•	•	•	•	10	1,917,000	+246,200	+14.74	
1891, .	•	•	•	•	•	•	•	•	10	2,066,562	+149,562	+7.80	
		Boo	te an	d S	hoes.	ı				A 4 # 400 #00			
1887, .	•	•	•	•	•	•	•	•	210	\$45,128,107	-	-	
1888, .	•	•	•	•	•	•	•	•	210	45,946,330	+\$818,223	+1.81	
1889, .	•	•	•	•	•	•	•	•	210	49,533,711	+3,587,381	+7.81	
1890, .	•	•	•	•	•	•	•	٠	210	51,423,997	+1,890,286	+3.82	
18 91, .	•	•	•	٠	•	•	•	•	210	49,175,938	-2,248,059	-4.37	
	Box	ee (P	aper	and	Wood	den).							
1887, .	•	•	•	•	•	•	•	•	21	\$1,420,201	-		
1888, .	•	•	•	•	•	•	•	•	21	1,421,668	+\$1,467	+0.10	
1889, .	•	•	•	•	•	•	•	•	21	1,489,304	+67,636	+4.76	
1890, .	•	•	. •	•		•	•	•	21	1,504,500	+15,196	+1.02	
1891, .			•	•			•		21	1,514,221	+9,721	+0.65	

GOODS MADE: BY INDUSTRIES AND TOWNS-Continued. COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS 1887—1891—Continued.

Industries, and Years.									Number of Estab- lishments Con- sidered	Value of Goods Made	Increase (+), or Decrease (-), as Compared with Previous Year		
										and Work Done	Amounts	Percent- ages	
В	utton	e an	d Di	reaa :	Trim	min	aa.						
1887, .	•	•				•	•		7	\$6 08,896	-	-	
1888, .									7	611,464	+\$2,568	+0.42	
1889, .									7	460,215	-151,249	-24.74	
1890									7	482,494	+22,279	+4.84	
1891, .									7	475,763	6,781	-1.40	
		,	men.	eting						·			
1887, .		.`	p	•	٠.				6	\$6,159,028	-	-	
1888, .							•	•	6	6,063,914	-\$95,114	-1.54	
1889, .								•	6	6,632,080	+568,166	+9.37	
1890, .	•								6	7,239,596	+607,516	+9.16	
1891, .	•	•	•	•	•	•	•	•	6	8,434,264	+1,194,668	+16.50	
	Can	ria	res a	nd V	Vaao	ns.							
1887, .			,			•			19	\$1,469,699	_	' -	
1888, .	:		i						19	1,642,892	+\$173,193	+11.78	
1889, .	·								19	1,526,298	-116,594	-7.10	
1890, .	· ·	Ĭ.				·			19	1,632,696	+106,398	+6.97	
1891	•	•	·	•	•	•	•	·	19	1,685,774	+53,078	+3.25	
	•	•	•	-	·	•	•	·		2,040,		,	
	loc ka ,	Wa	tchee	, an	d Je	welr	٧.						
1887, .	•	•	•	•	•	•	•	•	41	\$4,002,69 2	-	-	
1888, .	•	•	•	•	٠	•	•	•	41	4,047,652	+\$14,960	+1.12	
1889, .	•	•	•	•	•	•	•	•	41	4,144,702	+97,050	+2.40	
1890, .	•	•	•	•	•	•	•	•	41	4,393,173	+248,471	+5.99	
1891, .	•	•	•	•	•	•	•	•	41	4,448,623	+55,450	+1.26	
			Cloti	ting.					}				
1887, .									40	\$13,297,866	_	-	
1888, .									· 40	13,828,607	+\$530,741	+3.99	
1889, .									40	13,211,042	-617,565	-4.47	
1890, .									40	13,935,038	+723,996	+5.48	
1891, .					•		•		40	14,824,743	+889,705	+2.80	
	C	orda	ne n	nd I	ີ າກຄຳ	e.							
1887, .									11	\$5,294,191	_	_	
1888	•	-	·			-		•	11	6,731,439	+\$1,437,248	+27.15	
1889	•	٠.	•	•			·		11	8,264,743	+1,533,304	+22.78	
1890, .	•	•	•		·				11	7,600,061	-664,682	-8.04	
1891, .	٠.					•			11	8,001,699	+401,638	+5.28	
•		_		_	_								
1007		C	tton	G 000	ie.				107	470 902 010			
1887, .	•	•	•	•	•	•	•	•	127	\$72,386,813	1 44 046 007	1000	
1888, .	•	•	•	•	•	•	•	•	127	77,333,700	+\$4,946,887	+6.88	
1889, . '	•	٠	•	•	•	•	•	•	127	80,466,689	+3,132,989	+4.05	
1890, .	•	•	•	٠	•	•	•	٠	127	82,780,571	+2,313,882	+2.88	
1891, .	•	•	•	•	•	•	•	•	127	81,545,330	-1,235,241	-1.49	

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS.

FOR THE FIVE YEARS 1887—1891—Continued.

	In	DUS1	ries.	AND	Years			Number of Estab- lishments	Value of Goods Made	Incrrase (+), or De- crease (-), as Compared with Previous Year		
				,		•		Con- sidered	and Work Done	Amounts	Percent- ages	
Flax,	Hen	пр, .	Jule,	and	Linen	Good	8.					
1887, .				•				6	\$2,508,924	-	-	
1888, .								6	2,734,490	+\$225,566	+8.99	
1889, .		•		•			•	6	2,584,923	-149,567	-5.47	
1890, .					•			6	3,022,342	+437,419	+16.92	
1891, .	•	•	•	•	•		•	6	2,967,929	-54,413	-1.80	
	1	F o od	Pre	para	lions.							
1887, .								49	\$16,460,023	-	-	
1888, .								49	18,675,798	+\$2,215,775	+13.46	
1889, .					•			49	17,900,226	-775,572	-4.15	
1890, .								49	19,832,974	+1,932,748	+10.80	
1891, .	•	•	•	•	•		•	49	22,982,640	+3,149,666	+15.88	
			Furn	iture				}				
1887, .								39	\$4,557,617	_	-	
1888, .								39	4,524,865	-\$32,752	-0.72	
1889, .					•			39	4,518,157	-6,708	-0.15	
1890, .								39	4,714,517	+196,360	+4.35	
1891, .		•		•	•			39	4,996,268	+281,751	+5.98	
			GU	ass.								
1887, .	•	•	•	•	•		•	5	\$ 388,656	_	-	
1888, .	•	٠	•	•	•		•	5	418,331	+\$29,675	+7.64	
1889, .	•	•	•	•	•		•	5	421,969	+3,638	+0.87	
1890, .	•	•	•	•	•		•	5	423,988	+2,019	+0.48	
1891, .	•	•	•	•	•	• •	•	5	470,611	+46,623	+11.00	
	Hos	iery	and	Knit	Good	8.						
1887, .	•	•	•	•	•		•	11	\$4,484, 001	-	-	
1888, .	•	•	•	٠	•		•	11	3,973,174	-\$510,827	-11.39	
1889, .	•	•	•	•	•		•	11	3,534,860	-438,314	11.03	
1890, .	•	•	•	•	•		•	11	3,556,782	+21,922	+0.62	
1891, .	•	•	•	•	•	• •	•	11	4,286,728	+729,946	+20.52	
			Lea	ther.								
1887, .		•	•	•	•		•	70	\$11,257,725	-	-	
1888, .			•	•	•			70	10,419,910	—\$837,81 5	-7.44	
1889, .			•	•	•		•	70	10,041,146	-378,764	-3.64	
1890, .	•		•	•			•	70	10,990,959	+949,813	+9.46	
1891, .	•	•	•	•	•		•	70	9,435,223	1,555,736	-14.15	
Liquors	: M	alt,	Disti	Ued,	and F	erm <i>e</i> n	ted.					
1887, .	•	•	•	٠.				18	\$3,420,084	-	-	
1888, .	•		•	•	•			18	4,047,416	+\$627,332	+18.34	
1889, .				•				18	3,704,845	-342,571	-8.46	
1890, .								18	3,873,219	+168,374	+4.54	
								18	4,189,201	+315,982	+8.16	

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS.

FOR THE FIVE YEARS 1887—1891—Continued.

	In	DUST	RIES.	AND	Yra	RS.			Number of Estab- lishments	Value of Goods Made	Increase (+ crease (-), as with Previo), or De- Compared Us Year
				,					Con- sidered	and Work Done	Amounts	Percent- ages
	Mac	hine	an	d Mo	ıchin	erv.						
1887, .	•	•	•	•	•	•			67	\$11,463,583	- 1	-
1888, .									67	12,113,778	+\$650,245	+5.67
1889, .									67	13,784,810	+1,671,032	+13.79
1890, .	. •	•							67	13,995,143	+210,333	+1.53
1891, .	•	•	•	•	•	•	•	•	67	13,858,781	-136,362	0.97
	Meta	ls as	rd A	[etali	lic G	oods						
1887, .									74	\$12,885,933	-	-
1888, .					•				74	12,791,445	\$94,488	-0.73
1889, .									74	13,525,577	+784,132	+5.74
1890, .									74	13,758,006	+232,429	+1.72
1891, .	•	•			•	•	•	•	74	14,531,448	+773,442	+5.62
		Mi:	red	Texti	les.						l	
1887, .	•	•	•	•	•				9	\$1,407,165	-	-
1888, .	•							•	9	1,426,956	+\$19,791	+1.41
1889, .		•							9	1,458,934	+31,978	+2.24
1890, .									9	1,440,306	-18,628	-1.28
1891, .		•	•	•	•	•	•	•	9	1,348,833	91,473	-6.35
Mu	sical .	Instr	umė	nte a	nd M	ateri	als.				-	
1887, .									21	\$3,894, 517	-	-
1888, .									21	3,968,723	+\$74,206	+1.91
1839, .									21	4,337,425	+368,702	+9.29
1890, .				•					21	4,716,160	+378,735	+8.73
1891, .		•		•	•				21	4,392,842	-323,818	- 6.87
	Pa	ner a	nd i	Paper	· Goo	da.						
1887, .	•	•			•				56	\$14,036,105	_	_
1888, .									56	15,208,936	+\$1,172,831	+8.36
1889									56	15,783,058	+574,122	+3.77
1890, .									56	15,830,730	+47,672	+0.30
1891, .									56	16,245,397	+414,667	+2.62
Print	Works	ינת י	. Wo	rk.	and	Rlene	hari	۵۰				
1887		., <i></i> y	, 0	. ~0, (٠	16	\$17,319,085	_	_
1888			:	·					16	16,805,952	\$1,013,133	5.85
1889									16	17,067,206	+761,254	+4.67
1890, .									16	17,886,234	+819,028	-14.80
1891, .	•		•						16	16,574,544	-1,311,690	—7.33
	p,,t	hee o	nd:	Elast	ic A	od•						
1887, .		Je F U			. uru	· ·			19	\$10,880,500	-	_
1888, .	•	•	•	•	•	Ċ	•	•	19	10,932,602	+\$52,102	+0.48
1889, .	•	•	•	•	•	•	•	•	19	11,261,848	+329,246	+3.01
1890	•	•	•	•	•	•	:	•	19	12,063,537	+801,689	+7.12
1891, .	•	•	•	•	•	·	•	•	19	11,741,040	-322,497	-2.67
, .	•	٠	•	•	•	٠	•	•		22,121,020	044,201	

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS.

FOR THE FIVE YEARS 1887—1891—Continued.

	Tw	mr.s•	RIES,	ANT	Tra	PS.			Number of Estab- lishments	Value of Goods Made	Increase (+ Crease (-), as with Previo	J. OR DE- COMPAREI US YEAR
	4.0	DUSI	A140,	A.B.D					Con- sidered	and Work Done	Amounts	Percent- ages
		81	hipbu	ildir	ıg.							
1887, .	•	•	•	•	•			•	8	\$3 36,214	-	-
1888, .	•	. •	•	•	•	•	•	•	8	849,032	+\$12,818	+3.81
1889, .	•	•	•	•	•	•	•	•	8	400,300	+51,268	+14.69
1890, .	•	•	•	•	•	•	•	•	8	522,400	+122,100	+30.50
1891, .	•	•	•	•	•	•	•	•	8	506,241	-16,159	-3.09
	8	iik a	ind S	iilk (3ood	s.						
1887, .				•		•			6	\$8,778,496	-	-
1888, .			•						6	8,737,363	-\$36,133	0.96
1889, .						•			6	4,185,171	+447,808	+11.98
1890, .									6	4,118,191	66,980	1.60
1891, .	•	•	•	•	•	•	•		6	4,238,216	+120,025	+2.91
			Sto	ne.								
1887, .	•	•	•	•	•	•		•	17	\$1,651,875	-	-
1888, .	•		•	•	•	•	•	•	17	1,481,086	-\$170,789	10.34
1889, .	•		•	•		•		•	17	1,406,762	-74,324	5.02
1890, .	•	•	•	•	•	•	•	•	17	1,813,269	93,493	6.65
1891, .	•	•	•	•	٠	•	•	•	17	1,854,287	+41,018	+3.12
	Strav	o an á	l Pal	m Le	at G	loods) .					
1887, .					٠.				15	\$8,004,614	_	_
1888, .									15	2,989,913	-\$14,701	0.49
1889, .									15	2,692,192	297,721	9.96
1890, .									15	2,786,670	+94 ,478	+3.51
1891, .		•	•	•					15	3,018,057	+231,387	+8.30
Tal	lonn.	Cand	lles, i	Soan	. an	i Ge						
1887, .	,	•	, .	•	,	• • • • • • • • • • • • • • • • • • • •			13	\$2,089,191	_	_
1888, .			i				-	•	13	2,303,111	+\$213,920	+10.24
1889, .						\.		·	13	2,538,188	+235,077	+10.21
1890, .									13	2,591,905	+53,717	+2.12
1891, .			•						13	2,431,716	-160,189	-6.18
		777-	oden	<i>a</i>	٠.							
1887, .		wo	oaen	G00	as.				15	\$ 1,364,952	_	_
1888, .	•	•		:	•	•	•	•	15	1,272,158	\$92,794	—6.80
1889	•	•	•		•	•	•	•	15	1,209,299	62,859	-4.94
1890, .	•	•	·	•	•	•	•	•	15	1,330,931	+121,632	+10.06
1891, .			•		•				15	1,407,917	+76,986	+5.78
		317-		a. .	.							,
1887, .		Wo	ollen	GOO	as.				81	A04 001 000		_
1888, .	•	•	•	•	•	•	•	•	81	\$24,081,388	#80K 404	-2.89
1889, .	•	•	•	•	•	•	•	•	81	23,385,892 23,956,160	-\$695,496 +570,268	-2.69 +2.44
1890	•	•	•	•	•	•	•	•	81	23,621,576	-334,584	-1.40
1891, .	•	•	•	•	•	•	•	•	81		+2,223,747	
1081, .	•	•	•	•	•	•	•	•		25,845,323	T2,440,141	+9.41

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued. COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS 1887—1891—Concluded.

	In	DUST	RIKA.	AWD	YEA	RA.		Number of Estab- lishments Con- sidered	Value of Goods Made and Work Done	Increase (+), or De- crease (), as Compared with Previous Year		
										Amounts	Percent- ages	
		Wo	rsted	Goo	đs.							
1887, .								15	\$ 6,426,494	-	-	
1888, .								15	6,638,141	+\$211,647	+3.29	
1889, .								15	7,28 7,613	+599,472	+9.03	
1890, .							•	15	7,409,595	+171,982	+2.88	
1891, .					•	•		15	7,943,365	+533,770	+7.20	
			Тот	ALS.								
1887, .						•		1,130	\$311,787,327	-	-	
1888, .		•				•		1,130	321,664,584	+\$9,877,257	+3.17	
1889, .								1,180	333,438,652	+11,774,068	+3.66	
1890, .	•							1,130	345,395,127	+11,956,475	+3.59	
1891, .	٠.							1,130	849,201,525	+3,806,898	+1.10	

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE YEARS

1885, 1890.

[In this presentation, the figures given under "Value of Goods Made and Work Done" represent the returns made by the same establishments, in each industry, for 1890 and the Cenaus year 1885, the whole number of establishments considered in "All Industries" being 3,817. Comparison is made, as regards the value of goods made and work done, between these two years. The relative increase or decrease in 1890 as compared with 1885 is given with its equivalent percentage.]

Industries.	Number of Estab- lighments	VALUE OF G	OODS MADE	INCREASE OR DECREASE 189	0 (+), (+),
	Con- sidered	1885	1890	Amounts	Percent- ages
Agricultural implements,	11	\$1,041,427	\$1,398,7 73	+\$357,346	+34.31
Arms and ammunition,	18	1,885,732	2,096,890	+211,158	+11.20
Artisans' tools,	56	1,937,855	2,522,021	+584,166	+30.14
Awnings, sails, tents, etc.,	34	499,945	535,185	+35,240	+7.05
Boots and shoes,	528	75,420,266	89,245,667	+13,825,401	+18.33
Boxes (paper and wooden), .	130	3,582,792	4,483,215	+900,423	+25.13
Brick, tiles, and sewer pipe, .	50	1,328,991	1,691,772	+362,781	+27.30
Brooms, brushes, and mops, .	20	474,466	463,037	-11,429	-2.41
Burial cases, caskets, coffins, etc.,	5	832,245	310,089	-22,156	-6.67
Buttons and dress trimmings, .	15	1,403,795	1,160,550	-243,245	-17.33
Carpetings,	11	5,991,919	7,494,940	+1,503,021	+25.08
Carriages and wagons,	123	4,540,698	5,783,919	+1,243,221	+27.38
Cement, kaolin, lime, and plaster,	4	73,305	152,100	+78,795	+107.49
Chemical preparations (com-			1		
pounded),	12	1,095,744	1,052,256	-43,488	-3.97
Clocks, watches, and jewelry, .	86	7,043,451	9,173,087	+2,129,636	+30.24
Clothing,	126	20,384,526	25,947,437	+5,562,911	+27.29
Cooking, lighting, and heating	1				
apparatus,	41	8,150,697	3,463,159	+312,462	+9.92
Cordage and twine,	24	4,868,874	9,186,434	+4,317,560	+88.68
Corks, bungs, and taps,	2	93,000	40,857	-52,143	-56.07
Cotton goods,	142	62,107,118	85,757,933	+23,650,815	+38.08
Cotton, woollen, and other textiles,	2	3,384,981	3,244,480	-140,501	-4.15
Crayons, pencils, crucibles, etc.,	8	84,910	102,200	+17,290	+20.36
Drugs and medicines,	20	2,815,328	3,174,215	+358,887	+12.75
Dyestuffs,	6	599,881	629,101	+29,220	+4.87
Earthen, plaster, and stone ware,	5	195,600	322,341	+126,741	+64.80
Electrical apparatus and appli-				, ,	•
ances,	4	539,016	12,693,325	+12,154,309	+2,254.91
Electroplating,	10	129,757	111,462	-18,295	
Emery and sand paper and cloth,		1			
etc.,	10	458,899	616,558	+157,659	+34.36
Fancy articles,	5	63,812	111,029	+47,217	+73.99
Fertilizers.	6	141,700	127,946	-13,754	-9.71
Fine arts and taxidermy,	3	12,500	13,700	+1,200	+9.60
Fireworks and matches,	2	88,364	81,000	—7,36 4	-19.20
Flax, hemp, jute, and linen goods,	8	2,255,090	3,086,842	+831,752	+36.88
Food preparations,	332	55,020,306	66,552,478	+11,532,172	+20.96
Furniture.	150	7,706,086	8,705,998	+999,912	+12.98
Glass.	12	579,619	628,133	+48,514	+8.37
Glue, isinglass, and starch,	14	915,564	1,078,703	+163,139	+17.82
,		, , , , ,			,

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued. COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE YEARS 1885, 1890—Concluded.

Industries.	Number of Estab- lishments	VALUE OF C	HOODS MADE	Increase or Decrease 1890	(+), (-), in
	Con- sidered	1885	1890	Amounts	Percent- uges
Hair work (animal and human),	11	\$385,830	\$ 534,349	+\$149,019	+38.€
Hose: rubber, linen, etc.,	8	790,480		1 ' ' 1	-26.8
Hosiery and knit goods,	23	8,172,550		+783,746	
Ink, mucilage, and paste,	7	141,212		-21,286	-15.0
Ivory, bone, shell, and horn			,		
goods, etc.,	17	754,697	1,296,476	+541,779	+71.7
Leather,	169	20,708,151	21,787,286	+1,079,135	+5.
Liquors and beverages (not spir-			,,		
ituous),	12	233,639	859,015	+125,876	+53.0
Liquors: malt, distilled, and fer-		200,000		, 220,010	,
mented.	57	6,452,924	7,151,509	+698,585	+10.0
Lumber,	24	1,528,897	1,932,932	+404,035	+26.
Machines and machinery,	255	14,727,678		+9,987,641	+67.8
Metals and metallic goods,	268	23,287,738	33,009,798	+9,722,060	+41.
Mixed textiles.	11	1,196,333	1,883,017	+686,684	+57.
Models and patterns,	5	78,505		+15,244	+19.
Musical instruments and materials.	45	4,834,461	6,784,910	+1,950,449	+40.
Oils and illuminating fluids, .	9	1,468,856	1,181,660	—287,196	—19.
Paints, colors, and crude chemicals,	12	767,027	823,661	+56,634	+7.
Paper and paper goods,	95	18,795,947	23,028,995	+4,233,048	+22.
Perfumes, toilet articles, etc.,	5	193,000	255,225	+62,225	+32.
Photographs and photographic		100,000	200,220	702,220	1020
materials,	11	254,802	343,701	+88,899	+34.
Polishes and dressing	20	1,263,515		+82,588	+6.
Printing, publishing, and book-		1,200,010	1,010,100	702,000	1 00
binding,	18.	2,170,822	2,518,782	+348,460	+16.
Print works, dye works, and	10.	2,110,022	2,010,102	1020,200	, 200
bleacheries	39	11,786,319	19,063,617	+7,277,298	+61.
Railroad construction and equip-		22,100,020	10,000,011	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
ment,	7	1,769,750	2,931,949	+1,162,199	+65.
Rubber and elastic goods,	26	11,734,756	22,725,018	+10,990,262	+93.
Scientific instruments and appli-	-	22,102,100	22,120,010	10,000,202	,
ances,	13	1,054,125	1,398,037	+343,912	+82.
Shipbuilding,	47	1,143,865	1,656,916	+513,051	+44.
Silk and silk goods,	8	3,198,740	4,631,971	+1,433,231	+44.
Sporting and athletic goods,	9	760,890	415,200	-345,690	-45.
Stone,	120	4,230,529	3,813,802	-416,727	9.
Straw and palm leaf goods,	18	4,512,519	4,474,375	-38,144	-0.5
Tallow, candles, soap, and grease,	62	3,311,061	3,487,735	+176,674	+5.
Tobacco, snuff, and cigars,	38	1,486,964	2,383,078	+896,114	+60.
Toys and games (children's),	9	307,269	526,390	+219,121	+71.
Trunks and valises	9	243,025	276,062	+83,037	+13.
Whips, lashes, and stocks,	11	745,700	851,150	+105,450	+14.
Wooden goods,	157	4,483,003	5,171,065	+688,062	+15.
Woollen goods,	126	26,859,083	30,915,808	+4,056,725	+15.
Worsted goods,	16	7,802,735	11,469,957	+3,667,222	+47.
All Industries,	8,817	\$460,834,656	\$603,032,268	+\$142,197,612	+30.

COMPARISON OF GOODS MADE. SELECTED INDUSTRIES: BY COUNTIES, CITIES, AND TOWNS.

1885, 1890.

[In this presentation, the value of goods made and work done is shown for certain establishments by cities and towns under selected industries, each industry section being followed by a recapitulation covering the counties of the State. The number of establishments given does not, in any instance, represent the total number of establishments in any city, town, or industry; it includes those only which reported the value of goods made and work done in the Census year 1885 and also in 1890, thus admitting of direct comparison between the two years. The relative increase or decrease in 1890 as compared with 1885 is given with its equivalent percentage. In order not to disclose the business of individual manufacturers certain establishments are omitted from the town showing, being included, however, in the line "Other cities and towns" and in the State recapitulation.]

BOOTS AND SHOES.

THE STATE,	Com	TIES,		Number of Estab- lishments	VALUE OF GO AND WOR		Increase (+), or Decrease (-), in 1890	
CITIES, AND	Tot	WNS.		Con- sidered	1885	1890	Amounts	Percent- ages
BERKSI	HIR	E.						,
North Adams,	•	•		5	\$1,178,492	\$2,009,696	+\$831,204	+70.53
ESSE	x.							
Beverly,				18	3,721,805	3,084,732	637,073	17.12
Danvers,				9	687,065	690,283	+3,218	+0.47
Georgetown, .				6	306,000	370,838	+64,838	+21.19
HAVERHILL, .				96	6,635,456	9,275,055	+2,639,599	+39.78
LYNN,				89	12,017,059	13,162,576	+1,145,517	+9.53
Marblehead, .				14	600,950	693,585	+92,635	+15.41
Peabody, .				4	110,193	56,921	53,272	-48.34
Rowley,				5	225,905	195,762	30,143	-13.34
Salem,	•	•	•	19	1,700,906	1,181,015	519,891	-30.57
MIDDLE	SE	X.						
Holliston, .				4	159,750	130,598	-29,152	18.25
Hudson,				6	1,839,232	1,760,639	—78,59 3	-4.27
MARLBOROUGH,				9	4,845,224	4,851,483	+6,259	+0.13
Natick,				13	1,957,126	1,472,556	-484,570	-24.76
Stoneham, .				13	1,383,114	1,783,130	+450,016	+33.76
Wakefield, .				5	206,767	351,456	+144,689	+69.98
Woburn, .		•		6	348,222	212,332	135,890	-39.02
NORFO	LK					1		
QUINCY,				4	573,606	838,239	+264,633	+46.13
Randolph, .		. •		5	92,730	214,217	+121,487	+131.0
Stoughton, .		•		6	617,106	753,503	+136,397	+22.10
Weymouth, .				17	2,400,380	8,632,285	+1,231,905	+51.3

BOOTS AND SHOES - Concluded.

THE STATE, COUN	ries,		Number of Estab- lishments	VALUE OF G	Increase (+), or Decrease (-), in 1890		
CITIES, AND TOW	NS.		Con- sidered	1885	1890	Amounts	Percent- ages
PLYMOUTH							
Abington,			7	\$1,398,000	\$1,834,946	+\$436,946	+31.26
Brockton,			39	7,833,478	12,256,962	+4,423,489	+56.47
Middleborough, .			4	557,630	1,193,800	+635,670	+113.99
Rockland,	•	•	7	1,124,230	1,848,978	+219,748	+19.55
suffolk.							
Boston,	•	•	15	1,853,826	1,690,078	163,758	8.83
WORCESTER	₹.		1				
Milford,			5	1,795,016	2,016,891	+221,875	+12.36
Spencer,	•		6	2,292,200	1,760,098	532,102	-23.21
West Brookfield, .			4	210,864	204,289	-6,575	8.12
Worcester,			16	3,182,263	3,270,022	+137,759	+4.40
Other cities and town	s,*	•	72	13,665,676	16,954,207	+3,288,531	+24.06
TOTALS,			528	\$75,420,266	\$89,245,667	+\$13,825,401	+18.38

^{*} Distributed through the different counties.

RECAPITULATION. THE STATE.

THE	ST	ATE	•		528	\$75,420,266	\$89,245,667	+\$13,825,401	+18.33
Berkshire,					6	1,250,492	2,289,341	+1,038,849	+83.08
BRISTOL,			•		9	957,850	1,186,329	+228,479	+23.85
Essex, .				.	268	28,097,558	80,781,015	+2,683,462	+9.55
MIDDLESEX,				.	72	13,560,896	14,041,048	+480,152	+3.54
Norfolk,			•	.	39	4,763,422	6,791,918	+2,028,496	+42.58
PLYMOUTH,					69	12,065,941	19,472,746	+7,406,805	+61.39
SUFFOLK,				.	16	1,958,826	1,752,073	206,753	-10.55
WORCESTER,				.	49	12,765,286	12,931,197	+165,911	+1.30

CLOTHING.

MIDDLESEX.						
CAMBRIDGE,	• 1	3	\$270,700	\$414,582	+\$143,882	+53.14
LOWELL,	•	3	287,789	240,423	-47,366	16.46
SUFFOLK.						
Boston,	•	85	16,620,956	20,053,2 52	+3,432,296	+20.65
WORCESTER.						
Worcester,	•	4	644,000	627,993	16,007	-2.49
Other cities and towns,*		31	2,561,081	4,611,187	+2,050,106	+80.05
TOTALS,		126	\$20,384,526	\$25,947,437	+\$5,562,911	+27.29

^{*} Distributed through the different counties.

CLOTHING - RECAPITULATION. THE STATE - Concluded.

THE STATE				Number of Estab- lishments	AND WORK DONE		Increase (+), or Decrease (-), in 1890		
CITIES, A	ND	Tow	ns.	Con- sidered	1885	1890	Amounts	Percent- ages	
THE	3T.	ATE	C.	 126	\$20,384,526	\$25,947,437	+\$5,562,911	+27.29	
BARNSTABLE,				1	212,854	166,746	-45,608	21.48	
BERKSHIRE,				2	121,272	158,815	+37,543	+30.96	
Bristol,				1 1	52,000	111,180	+59,180	+113.81	
Essex, .				12	1,264,648	1,971,572	+706,924	+55.90	
Hampden,				2	83,000	23,600	-9,400	-28.48	
HAMPSHIRE,				2	530,000	774,074	+244,074	+46.05	
MIDDLESEX,				12	676,227	980,355	+304,128	+44.97	
Norfolk,				2	50,000	66,305	+16,305	+32.61	
SUFFOLK,				86	16,649,425	20,071,702	+3,422,277	+20.55	
Worcester,				6	795,600	1,623,088	+827,488	+104.01	

COTTON GOODS.

			 	LION GOO!	DO.		
BERKSH North Adams,	IRE		. 4	\$643,948	\$833,13 8	+\$918,190	+29.38
BRIST	OT.				- ,		·
FALL RIVER, .			33	14,982,426	22,793,805	+7,811,379	+52.14
NEW BEDFORD,			5	4,371,389	6,916,642	+2,545,258	+58.23
TAUNTON, .			8	2,088,690	2,685,160	+596,470	+28.56
ESSE	Κ.		! 				
LAWRENCE, .	•		. 5	8,964,140	4,948,075	+983,935	+24.82
HAMPD	EN.			· .	1		
HOLYOKE, .	•		4	2,602,371	3,704,711	+1,102,340	+42.36
MIDDLE	SEX					ļ!	
LOWELL,	•	•	8	12,779,583	18,644,740	+5,865,157	+45.89
WORCES	TER	<u>.</u>					
West Boylston,	•	•	4	444,174	553,654	+109,480	+24.65
Other cities and to	owns	,*	71	20,230,397	24,678,008	+4,447,611	+21.98
Totals, .			142	\$62,107,118	\$85,757,933	+\$23,650,815	+38.08

^{*} Distributed through the different counties.

RECAPITULATION. THE STATE.

THE	ST	ATE	: .	- 1	142	\$62,107,118	\$ 85,757,93 3	+\$23,650,815	+38.08
Berkshire,				.	10	2,909,641	8,318,175	+408,534	+14.04
BRISTOL,				.	53	22,225,327	33,501,755	+11,276,428	+50.74
Essex, .					11	7,638,693	8,912,592	+1,273,899	+16.68
FRANKLIN,				.	3	411,592	414,242	+2,650	+0.64
HAMPDEN,				.	13	6,918,862	9,111,660	+2,192,798	+31.69
Hampshire,					2	1,106,640	1,967,135	+860,495	+77.76
MIDDLESEX,				.	11	18,877,222	19,846,268	+5,969,046	+43.01
Nobrolk,					5	875,801	304,887	-70,914	-18.87
PLYMOUTH,				.	8	171,262	184,309	+13,047	+7.62
Worcester,				.	81	6,472,078	8,196,910	+1,724,882	+26.65

FOOD PREPARATIONS.

THE STATE, (Number of Estab- lishments	VALUE OF (GOODS MADE	INCREASE OR DECREAS 189	R (—), IN
CITIES, AND	Tow	/ NS.		Con- sidered	1885	1899	Amounts	Percent- ages
BERKSE	IIRI	٤.						
North Adams,				4	\$153,263	\$122,750	—\$30,513	-19.91
PITTSFIELD, .			•	8	136,359	150,594	+14,235	+10.44
BRIST	oL.						il	
FALL RIVER, .				4	710,400	750,670	+40,270	+5.67
NEW BEDFORD,				7	315,056	420,785	+105,729	+33.56
ESSE	x.			!			il	1
GLOUCESTER, .				81	2,833,745	2,877,931	+544,186	+23.32
LAWRENCE, .				6	1,122,082	1,422,186	+300,104	+26.75
NEWBURYPORT,				5	242,038	232,200	9,838	-4.06
HAMPD	EN.							
SPRINGFIELD,				7	1,462,439	1,402,393	-60,046	-4.11
NORTHAMPTON,				4	185,715	130,991	-54,724	-29.47
MIDDLE	SEZ	ζ.				•		
CAMBRIDGE, .				10	13,028,600	15,560,866	+2,532,266	+19.44
LOWELL,				6	248,994	149,451	-99,543	-39.98
Somerville, .				10	9,000,335	6,768,148	-2,232,187	-24.80
SUFFO	ı.ĸ.							
Boston				99	19,569,578	29,851,550	+10,281,972	+52.54
CHELSEA, .				6	415,800	880,265	-35,535	-8.55
WORCES	71 DT	,		1		•		
FITCHBURG.	TEL	٠.		4	338,101	. 535,561	+197,460	+58.40
WORCESTER, .	:	:	:	11	990,507	1,098,296	+107,789	+10.88
Other cities and to	own	8.*		115	4,767,294	4,697,841	69,453	-1.46
		•	-	l			ļ	
Totals, .	•		•	832	\$55,020,306	\$66,552,478	+\$11,532,172	+20.9

^{*} Distributed through the different counties.

RECAPITULATION. THE STATE.

THE	ST.	ATE	١.		832	\$55,020,306	\$66,552,478	+\$11,532,172	+20.96
Barnstable,					1	8,000	14,985	+6,985	+87.31
Berkshire,					19	546,083	464,756	-81,827	-14.89
BRISTOL,					16	1,296,484	1,323,946	+27,462	+2.12
Essex, .					58	5,140,408	5,942,308	+801,905	+15.60
Franklin,					7	154,975	222,324	+67,349	+43.46
Hampden,	•				14	2,166,501	2,071,861	-94,640	-4.87
Hampshire,					8	298,785	233,643	65,142	21.80
MIDDLESEX,					52	22,975,238	23,315,385	+340,152	+1.48
Norfolk,					13	388,292	887,379	913	-0.24
PLYMOUTH,					6	380,248	424,770	+44,522	+11.71
Suffolk,					104	19,985,378	30,231,815	+10,246,437	+51.2
Worcester,				.	84	1,679,924	1,919,306	+239,382	+14.20

LEATHER.

THE STAT					Number of Estab- lishments	VALUE OF G AND WOL	OODS MADE	Increase or Decrease 189	6 (—), IN
CITIES,	AND	Tow	ne.		Con- sidered	1885	1890	Amounts	Percent-
	BBE	x.			i i				
Danvers, .	•	•	•	•	5	\$313,500	\$555,567	+\$242,067	+77.21
LYNN, .	•	•	•	•	16	2,238,865	2,477,579	+238,714	+10.66
Peabody,	•	•	•	•	28	2,650,232	3,178,590	+528,358	+19.94
Salem, .		•		•	20	2,970,620	2,469,821	500,799	-16.86
MID	DLE	SEX			'				
Lowell,	•		•		5	624,854	1,137,957	. +518,103	+82.12
Winchester,					6	2,158,650	1,427,759	—730,891	-33.86
Woburn,					17	4,618,017	4,139,483	-478,534	-10.36
SUI	FO	LK.			l ii				
Boston, .		•		•	18	596,646	785,302	+138,656	+23.24
WOR	CES	TE	₹.						
WORCESTER	, .				7	676,663	796,981	+120,318	+17.78
Other cities a	nd t	own	s,*		47	3,860,104	4,868,247	+1,008,143	+26.12
TOTALS,					169	\$20,708,151	\$21,787,286	+\$1,079,135	+5.21

^{*} Distributed through the different counties.

RECAPITULATION. THE STATE.

THE S	T	1TE	•	- 1	169	\$20,708,151	\$21,787,286	+\$1,079,135	+5.21
Berkshire, .	,			.	4	178,209	130,860	-47,849	-26.57
Bristol, .	,				8	227,630	834,523	+106,893	+46.96
Essex,	,			.	74	8,639,017	9,453,576	+814,559	+9.43
FRANKLIN, .				.	3	112,000	104,224	7,776	-6.94
Hampden, .				.	5	161,139	184,076	+22,937	+14.23
HAMPSHIRE, .				.	2	23,918	86,240	+12,322	+51.52
MIDDLESEX,					36	8,446,122	8,058,114	-888,008	-4.59
Norfolk, .					4	786,653	1,030,859	+244,206	+31.04
SUFFOLK,	,			.	21	720,614	824,398	+103,784	+14.40
Worcester, .	,			.	15	1,340,549	1,544,505	+203,956	+15.21
Other counties.				.1	2	72,300	85,911	+13,611	+18.83

MACHINES AND MACHINERY.

BR	TB	OL.				11		
FALL RIVER,			.	16	\$384,45 0	\$689,589	+\$305,139	+79.37
TAUNTON,				4	473,474	920,351	+446,877	+94.38
ES	SE	x.	1			l.		
LAWRENCE,			.	14	622,392	933,150	+310,758	+49.98
LYNN, .		•	.	7	76,485	112,864	+36,379	+47.56
Balem, .			•	5	117,817	236,750	+118,933	+100.95
HAN	1PI	EN.				!!		
Holyoke,				6	480,325	445,047	85,278	7.34
Springfieli	۰,			7	330,482	853,416	+522,934	+158.23

MACHINES AND MACHINERY - Concluded.

THE STATE, COU	THE STATE, COUNTIES, CITIES, AND TOWNS.				VALUE OF G		Increase or Decrease 189	(), IN	
CITIES, AND TO					on- lered 1835 1890		Amounts	Percent- ages	
MIDDLESE	x.		j	i					
CAMBRIDGE,				4	\$323,459	\$255,282	-\$68,177	-21.08	
Lowell,				17	1,095,096	2,349,228	+1,254,132	+114.52	
SUFFOLK									
Boston,		•		55	3,756,848	6,655,277	+2,898,429	+77.15	
WORCEST	cR.,	,							
FITCHBURG,				10	479,112	858,558	+374,446	+78.15	
WORCESTER,				39	2,754,300	4,107,868	+1,353,568	+49.14	
Other cities and tow	ns,	•		71	3,833,438	6,302,939	+469,501	+12.25	
TOTALS,				255	\$14,727,678	\$24,715,319	+\$9,987,641	+67.82	

^{*} Distributed through the different counties.

RECAPITULATION. THE STATE.

THE	BT.	ATE	•	- 1	255	\$14,727,678	\$24,715,319	+\$9,987,641	+67.82
Berkshire,					6	153,256	244,080	+90,824	+59.26
Bristol,				.	26	933,590	1,720,169	+786,579	+84.25
Essex, .					28	878,214	1,344,946	+466,732	+53.15
FRANKLIN,					6	1,310,170	2,363,570	+1,053,400	+80.40
Hampden,					16	1,109,434	1,773,009	+663,575	+59.81
Hampshire,				.	2	110,000	70,753	-39,247	-35.68
MIDDLESEX,				.	36	1,943,170	8,302,167	+1,358,997	+69.94
Norfolk,				.	5	174,379	315,404	+141,025	+80.87
PLYMOUTH,				.	5	76,253	154,518	+78,265	+102.64
SUFFOLK,				.	57	3,769,852	6,787,275	+2,967,423	+78.71
WORCESTER,				.	68	4,269,360	6,689,428	+2,420,068	+56.68

METALS AND METALLIC GOODS.

BRISTO	OL.			1			İ	
Attleborough,	•		.	4	\$154,844	\$79,170	-\$75,674	-48.87
NEW BEDFORD,		·.	.	6	705,389	1,142,384	+436,995	+61.95
TAUNTON, .			.	5	1,261,909	1,526,474	+264,565	+20.97
ESSE	X.			li		ļļ.		
HAVERHILL, .			.	4	148,675	152,684	+4,009	+2.70
LAWRENCE, .				6	253,560	840,467	+86,907	+34.27
LYNN,			.	4	73,800	126,070	+52,270	+70.83
SALEM,		•		4	103,500	45,910	-57,590	-55.64
HAMPD	EN.		-	1	j	H		
Holyoke, .				5	312,982	357,042	+44,060	+14.08
Springfield,		•	•	18	779,008	1,157,991	+378,983	+48.65
HAMPSE	HRE	C.						
NORTHAMPTON,		•		4	225,106	386,296	+161,190	+71.61
					1	- 1		

METALS AND METALLIC GOODS -- Concluded.

THE STAT				Number of Estab- lishments	VALUE OF G	OODS MADE	Increase (+), or Decrease (-), in 1896		
CITIES,	IND	Tow	ms.	Con- sidered			Amounts	Percent-	
MIDI	LI	SEX	ζ.	i				<u> </u>	
Cambridge,				6	\$512,702	\$821,890	+\$309,188	+60.31	
Lowell,		•		9	864,978	425,858	+60,885	+16.68	
NOE	FO	LK.							
QUINCY, .				4	260,925	581,880	+320,905	+122.99	
PLY	KO1	UTH			·		1		
Plymouth,		•	•	6	391,565	400,382	+8,817	+2.25	
SUF	ΤO	LK.			•			·	
Boston, .		•		65	4,195,944	6,188,825	+1,992,881	+47.50	
CHELSEA,				4	283,884	423,498	+189,614	+81.07	
WOR	CE	TE	3.						
FITCHBURG,				6	122,012	231,426	+109,414	+89.67	
Worcester,				32	7,414,186	10,556,290	+3,142,104	+42.38	
Other cities a	nd 1	own	8,*	81	5,772,774	8,065,311	+2,292,587	+39.71	
TOTALS,				268	\$23,287,738	\$33,009,798	+\$9,722,060	+41.75	

^{*} Distributed through the different counties.

THE	ST	ATE	c.	268	\$23,287,738	\$33,009,798	+\$9,722,060	+41.75
BARNSTABLE,				1	13,000	4,550	8,450	-65.00
BERKSHIRE,		•		2	73,603	208,923	+135,820	+183.85
BRISTOL,				23	2,557,610	3,041,877	+484,267	+18.93
Essex, .				25	980,398	1,612,084	+631,636	+64.43
FRANKLIN,				7	743,276	1,007,940	+264,664	+35.61
Hampden,		•		21	1,216,115	1,751,423	+535,308	+44.02
Hampshire,				7	509,106	732,776	+223,670	+43.93
MIDDLESEX,				29	1,869,437	3,068,755	+1,199,318	+64.15
Norfolk,				14	1,142,491	1,537,325	+394,834	+34.56
PLYMOUTH,				22	1,647,592	1,892,377	+244,785	+14.86
SUFFOLK,				69	4,429,828	6,612,323	+2,182,495	+49.27
WORCESTER.				48	8,105,282	11,539,495	+3,484,213	+42.37

PAPER AND PAPER GOODS.

BER	KSH	IRE					·	
Dalton, .			.	4	\$823,983	\$939,206	+\$115,223	+13.98
Lee,				5	1,258,454	868,560	389,894	30.98
E	SSE	x.						
LAWRENCE,				4	1,313,790	1,245,339	68,451	-5.21
HA	MPI	EN.	1		l			
HOLYOKE,			.	18	6,143,088	7,023,233	+880,145	+14.33
Springfield	D,	•		8	646,279	1,591,957	+945,678	+146.83
			 				·	<u></u>

GOODS MADE: BY INDUSTRIES AND TOWNS-Continued.

COMPARISON OF GOODS MADE. SELECTED INDUSTRIES: BY COUNTIES, CITIES, AND TOWNS. 1885, 1890—Concluded.

PAPER AND PAPER GOODS - Concluded.

THE STATE, COUNTIES,	Number of Estab- lishments	VALUE OF G AND WOL		Increase (+), or Decrease (), in 1890		
CITIES, AND TOWNS.	Con- sidered	1885 1890		Amounts	Percent- ages	
SUFFOLK. Boston,	4 52	\$5 99,374 8,010,979	\$1,119,000 10,241,700	+\$519,626 +2,230,721	+86.69 +27.85	
Totals,	95	\$18,795,947	\$23,028,995	+\$4,233,048	+22.52	

^{*} Distributed through the different counties.

RECAPITULATION. THE STATE.

THE	8T	ATE		- 1	95	\$18,795,947	\$23,028,995	+\$4,233,048	+22.52
BERKSHIRE,					13	2,651,895	2,521,117	-130,778	-4.93
BRISTOL,				.	2	57,030	59,437	+2,407	+4.22
Essex, .			•		5	1,563,790	1,595,839	+31,549	+2.02
FRANKLIN,				.	4	1,202,958	1,079,557	-128,401	-10.26
HAMPDEN,					84	8,185,066	10,715,986	+2,530,920	+30.92
HAMPSHIRE,					6	640,630	608,481	-32,149	5.02
MIDDLESEX,					13	976,885	1,192,288	+215,403	+22.05
Norfolk,			•	.	4	647,185	1,036,386	+389,201	+60.14
PLYMOUTH,					1	22,000	15,000	-7,000	-31.82
Suffolk,				.	5	600,874	1,189,000	+588,626	+98.04
WORCESTER,				.	8	2,248,134	3,016,404	+768,270	+34.17

WOOLLEN AND WORSTED GOODS.

								_	
LAWRENCE,	SSE	•			5	\$2,916,351	\$5,430,608	+\$2,514,257	+86.21
Holyoke,	ar.	·EN.			4	1,845,428	2,210,156	+364,728	+19.76
MID	DLI	ESE	ζ.		_			107.40	
LOWELL,			٠.	•	7	2,744,047	2,556,598	-187,449	-6.83
WOR	CE	2111	5.			1 004 450	0 450 500	1 450 000	100.00
FITCHBURG,	•	•	•	•	4	1,984,478	2,456,766	+472,293	+23.80
Leicester,		•			10	783,590	955,371	+171,781	+21.92
Millbury,					5	348,765	818,019	+469,254	+134.55
Uzbridge,					6	516,636	957,369	+440,733	+85.31
WORCESTER	, .	•		•	5	724,962	991,362	+266,400	+36.75
Other cities a	and	town	8,*		96	22,797,566	26,009,516	+3,211,950	+14.09
TOTALS,					142	\$34,661,818	\$42,385,765	+\$7,723,947	+22.28

^{*} Distributed through the different counties.

RECAPITULATION. THE STATE.

THE	87	TAT	€.		142	\$34,661,818	\$42,385,765	+\$7,723,947	+22.28
BERKSHIRE,					11	2,124,437	3,629,245	+1,504,808	+70.83
BRISTOL,					3	659,590	648,344	-11,246	-1.70
Essex, .					17	6,653,106	8,446,737	+1,793,631	+26.96
FRANKLIN,					1	126,235	100,124	26,111	-20.68
HAMPDEN,					12	2,591,557	3,036,037	+444,480	+17.15
HAMPSHIRE,					6	1,161,621	1,240,641	+79,020	6.80
MIDDLESEX,					20	8,974,329	9,662,863	+688,534	+7.67
Norfolk,					10	1,959,827	2,389,882	+430,055	+21.94
PLYMOUTH,					2	357,290	527,636	+170,346	+47.68
SUFFOLK,					1	16,000	34,438	+18,438	+115.24
Worcester,		•		•	59	10,037,826	12,669,818	+2,631,992	+26.22

COMPARISON OF GOODS MADE: BY SELECTED CITIES AND TOWNS.

1885, 1890.

[In this presentation, the value of goods made and work done is shown for certain establishments by selected cities and towns, and is followed by a recapitulation for the State and counties. The number of establishments given does not, in any instance, represent the total number of establishments in any city or town; it includes those only which reported the value of goods made and work done in the Census year 1885 and also in 1890, thus admitting of direct comparison between the two years. The relative increase or decrease in 1890 as compared with 1885 is given with its equivalent percentage. In order not to disclose the business of individual manufacturers certain establishments are omitted from the town showing, being included, however, in the line "other towns," and in the State recapitulation.]

Counties,	Number of Estab- lishments		oods Made	Increase (+), or Decrease (), in 1890		
CITIES, AND TOWNS.	Con- sidered	1885	1896	Amounts	Percent-	
BARNSTABLE.	18	\$283,011	\$225,639	-\$ 57,372	-20.27	
Barnstable,	. 8	12,100	13,760	+1,660	+13.72	
Provincetown,	. 5	21,786	26,585	+4,799	+22.03	
Other towns,	. 10	249,125	185,294	-63,831	-25.62	
BERKSHIRE.	117	\$15,091,055	\$21,825,764	+\$6,734,709	+44.63	
Adams,	. 10	2,765,068	8,227,343	+462,275	+16.72	
Cheshire,	. 4	90,909	80,134	-10,775	-11.85	
Dalton,	. 5	1,045,783	1,207,208	+161,425	+15.44	
Great Barrington,	. 5	536,269	759,230	+222,961	+41.58	
Lee,	. 9	1,287,494	894,552	-392,942	30.52	
Lenox,	. 4	93,151	73,518	-19,633	-21.08	
North Adams,	. 29	6,424,495	11,247,463	+4,822,968	+75.07	
PITTSFIELD,	. 24	1,635,747	2,802,202	+1,166,455	+71.31	
West Stockbridge, .	. 5	69,689	47,857	22,332	-32.05	
Other towns,	. 22	1,142,450	1,486,757	+344,307	+30.14	
BRISTOL.	815	\$41,793,094	\$ 56,923,525	+\$15,130,431	+36.20	
Attleborough,	. 40	2,399,000	2,728,052	+329,052	+13.72	
Dighton,	. 5	841,655	271,289	-70,366	-20.60	
Easton,	. 10	789,329	828,671	+39,342	+4.98	
FALL RIVER,	. 67	19,764,263	28,613,984	+8,849,721	+44.78	
Mansfield,	. 13	816,289	726,054	-90,235	-11.05	
NEW BEDFORD,	. 65	9,174,684	13,176,031	+4,001,347	+43.61	
North Attleborough, .	. 40	2,361,734	2,596,036	+234,302	+9.92	
Raynham,	. 4	138,499	147,556	+9,057	+6.54	
TAUNTON,	. 54	5,106,218	6,864,613	+1,758,395	+34.44	
Other towns,	. 17	901,423	971,239	+69,816	+7.75	

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF GOODS MADE: BY SELECTED CITIES AND TOWNS. 1885, 1890—Continued.

Counties, Cities, and Towns.				Number of Estab- lishments	VALUE OF (GOODS MADE RE DONE	INCREASE OR DECREASE 189	k (—), in
CITIES, AND	row	F8.		Con- sidered	1885	1890	Amounts	Percent- ages
DUKE	3.			1	\$72,000	\$85,000	+\$13,000	+18.06
ESSEX	ζ.			744	\$77,765,334	\$103,881,511	+\$26,116,177	+33.58
Amesbury, .				27	2,295,665	2,645,054	+349,389	+15.22
Andover, .				28	3,149,681	8,905,174	+755,493	+23.99
Beverly,				24	4,075,598	8,677,189	-398,459	-9.78
Bradford, .	•			4	469,890	705,874	+235,934	+50.22
Danvers,				23	1,391,376	1,858,827	+467,451	+33.60
Essex,				5	570,897	569,550	-1,347	-0.24
Georgetown, .				9	469,200	404,540	64,660	—13.78
GLOUCESTER,		•	•	65	3,655,250	4,820,643	+665,393	+18.20
HAVEBHILL, .				120	7,961,445	11,201,543	+3,240,098	+40.70
Ipswich,				6	794,127	843,304	+49,177	+6.19
Lawrence, .		•		62	16,423,493	22,459,911	+6,036,418	+36.75
Lynn,	•			152	15,906,923	29,936,711	+14,029,788	+88.20
M arblehe a d, .				18	677,156	780,670	+103,514	+15.29
Merrimac, .	•			17	575,178	677,479	+102,301	+17.79
Methuen, .	•		•	6	1,359,597	1,714,848	+355,251	+26.13
NEWBURYPORT,		٠		28	2,968,518	3,344,821	+376,303	+12.68
Peabody, .	•	•		42	4,051,646	4,577,065	+525,419	+12.97
Rockport, .		•		5	316 ,933	431,070	+114,137	+36.01
Rowley,	•	•	•	8	307,975	276,112	31,863	-10.35
Balem, . ,.	•	•		63	6,483,647	6,100,465	-383,182	5.91
Balisbury, .	•	•	•	8	523,800	899,300	+375,500	+71.69
Saugus,		•	•	5	809,986	657,956	152,030	18.77
West Newbury,	•	•	•	4	83,800	79,776	-4,024	-4.80
Other towns, .	•	•	•	15	2,443,553	1,813,679	629,874	25 .78
FRANKL	IN.			58	\$5,048,002	\$6,537,14 5	+\$1,489,143	+29.50
Deerfield, .				6	209,000	232,453	+23,453	+11.22
Greenfield, .				10	376,192	586,209	+210,017	+55.83
Montague, .				12	2,067,884	2,162,302	+94,418	+4.57
Orange,			•	5	1,144,170	2,106,985	+962,815	+84.15
Shelburne, .				6	368,888	452,212	+83,324	+22.59
Other towns, .	•	•	•	19	881,868	996,984	+115,116	+18.05
HAMPDE	CN.			244	\$31,828,666	\$39,870,027	+\$8,041,361	+25.26
Chester,				5	181,420	219,557	+38,137	+21.02
CHICOPEE, .				16	3,288,357	4,727,245	+1,438,888	+43.76
Holyoke, .				49	12,216,127	15,407,675	+3,191,548	+26.13
Monson,				6	635,572	733,133	+97,561	+15.35
Palmer,				8	1,821,139	2,070,379	+249,240	+13.60
SPRINGFIELD,		•		108	8,437,887	9,898,648	+1,460,761	+17.31
Westfield, .				33	2,045,281	2,763,899	+718,668	+35.14
West Springfield,				5	557,513	1,001,901	+444,388	+79.71
Other towns, .	-	-		19	2,645,420	8,047,590	+402,170	+15.20

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF GOODS MADE: BY SELECTED CITIES AND
TOWNS. 1885, 1890—Continued.

Counties,	Number of Estab- lishments	VALUE OF G	loods Made rk Done	Increase or Decreas 189	(+), e (-), in o
CITIES, AND TOWNS.	Con- sidered	1885	1890	Amounts	Percent- ages
HAMPSHIRE.	79	\$8,168,564	\$10,596,834	+\$2,425,270	+29.69
Amherst	. 8	409,767	477,061	+67,297	+16.42
Easthampton,	. 8	1,519,611	1,745,910	+226,299	+14.89
'	. 27	2,846,644	4,017,905	+1,171,261	+41.15
South Hadley,	. 6	600,005	725,784	+125,779	+20.96
	. 7	1,770,429	2,408,329	+637,900	+36.03
Williamsburg,	. 7	458,347	541,977	+83,630	+18.25
Other towns,	. 16	563,761	676,865	+113,104	+20.06
MIDDLESEX.	523	\$102,104,824	\$122,450,398	+\$20,345,574	+19.93
Acton,	. 6	230,500	318,820	+88,320	+38.82
Arlington,		162,988	188,718	+25,730	+15.79
	. 4	871,889	1,085,594	+213,705	+24.51
CAMBRIDGE,	. 84	22,147,210	28,637,497	+6,540,287	+29.53
Chelmsford,	. 8	468,042	590,251	+122,209	+26.11
Everett	. 7	754,960	641,795	-113,165	-14.99
Framingham,	. 11	2,999,657	3,204,957	+205,800	+6.84
Groton,	. 4	323,054	415,789	+92,735	+28.71
Holliston.	. 11	597,293	522,059	-75,234	-12.60
Hopkinton,	. 4	1,240,087	1,513,747	+273,660	+22.07
Hudson, .	. 10	2,317,624	2,423,967	+106,343	+4.59
Lowell,	. 103	21,981,414	34,505,083	+9,523,639	+38.12
MALDEN,	. 13	3,361,554	6,121,271	+2,759,717	+82.10
MARLBOBOUGE,	. 21	4,992,006	-5,075,582	+83,576	+1.67
Medford	. 10	382,742	413,874	+61,132	+15.97
	. 21	2,057,561	1,577,278	-480,288	-23.34
Newton,	. 18	1,149,580	1,582,499	+432,919	+37.66
Pepperell,	. 6	1,071,561	935,188	-136,373	-12.73
Reading,	. 7	165,203	367,705	+202,502	+122.58
Somerville,	27	10,140,136	8,778,468	-1,361,668	-13.43
Stoneham,	16	1,832,890	2,258,626	+425,736	+23.23
Townsend,	. 6	178,879	176,224	2,6 55	-1.48
Wakefield.	. 11	1,779,353	2,330,109	+550,756	+30.95
WALTHAM.	. 10	3,707,081	4,864,450	+1,157,369	+31.22
Watertown.	. 11	1,231,136	1,469,542	+238,406	+19.36
Westford,	. 5	641,750	967,611	+325,861	+50.78
Weston,	. 4	163,207	194,790	+31,583	+19.35
Winchester,	. 12	2,256,494	1,644,336	-612,158	-27.13
WOBURN.	. 81	5,434,639	4,813,409	-621,239	11.43
Other towns,	. 38	4,461,304	4,751,164	+286,860	+6.43
NANTUCKET.	1	\$2,560	\$1,570	—\$ 990	-38.67
NORFOLK.	210	\$17,172,700	\$20,668,453	+\$3,495,753	+20.36
	. 12	896,048	1,342,424	+446,376	+49.82
	. 5	118,916	254,645	+135,729	+114.14
•	. 10	2,329,924	2,119,388	-210,536	-9.04
Canton,	·		1 -,,	11	<u> </u>

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF GOODS MADE: BY SELECTED CITIES AND TOWNS. 1885, 1890—Continued.

NORFOLK—Con. Dedham, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 6 Foxborough, 13 L259,471 L1, Medway, 4 L12 Medway, 4 L13 L259,471 L1, Medway, 4 L168,829 QUINCY,	MADE O	Increase De Decreasi 189	9 E (+), 9
Dedham,	1890	Amounts	Percent-
Foxborough, 6 241,813 Franklin, 12 972,114 1, Hyde Park, 13 1,259,471 1, Medway, 4 518,540 Needham, 4 108,829 QUINCY, 46 2,148,987 2, Randolph, 7 98,130 Stoughton, 13 1,364,937 1, Walpole, 8 1,115,513 1, Wellesley, 5 360,060 Weymouth, 28 2,717,984 3, Wrentham, 9 301,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, East Bridgewater, 6 676,250 Middleborough, 13 1,769,008 2, Rockland, 11 1,230,479 1, Scituate, 4 29,683 Whitman, 9 1,322,999 24, Other towns, 23 937,256 1, SUFFOLK. 837 \$79,199,977 \$109, BOSTON, 814 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 24 8349,592 7, Blackstone, 4 3,349,592 7, Blackstone, 4 3,349,592 7, Blackstone, 4 3,349,592 7, Blackstone, 4 3,349,592 7, Blackstone, 6 62,0711 Clinton, 9 3,160,947 4, IDouglas, 4 472,500			
Franklin, 12 972,114 1, Hyde Park, 13 1,259,471 1, Medway, 4 518,540 Needham, 4 108,829 QUINCY. 46 2,148,987 2, Randolph, 7 98,130 Sharon, 5 117,503 Stoughton, 13 1,364,937 1, Walpole, 8 1,115,513 1, Wellesley, 5 360,060 Weymouth, 28 2,717,984 3, Wrentham, 9 301,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, Randolph, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 13 1,759,068 2, Middleborough, 14 29,683 Whitman, 9 1,322,999 2, Mitman, 9 1,322,999 2, Middleborough, 14 1,759,077 2, Middleborough, 15 1,759,077 2, Middleborough, 17 1,759,077 2, Middleborough, 18 1,759,077 2, Middleborough, 19 1,759,077 2, Middleborough,	\$580,950	-\$31,496	5.14
Hyde Park, 13 1,259,471 1, Medway, 1, 518,540 Needham, 4 108,829 2, 148,987 2, Randolph, 7 98,130 8 Sharon, 117,503 8 Stoughton, 13 1,364,937 1, 1, 503 1, 17,503 1, 17,503 1, 17,503 1, 17,503 1, 17,503 1, 17,503 1, 17,503 1, 1, 17,503 <td< td=""><td>413,840</td><td>+172,027</td><td>+71.14</td></td<>	413,840	+172,027	+71.14
Medway, 4 518,540 Needham, 4 108,829 QUINCY, 46 2,148,987 2, Randolph, 7 98,130 3 Sharon, 5 117,603 117,603 Stoughton, 13 1,364,937 1, Walpole, 8 1,115,513 1, Wellesley, 5 360,060 360,060 Weymouth, 28 2,717,984 3, Wrentham, 9 301,069 301,069 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, Brockton, 68 8,752,631 13, East Bridgewater, 5 143,000 144,000 Hanover, 6 676,250 13, Middleborough, 13 1,759,008 2, Rockland, 11 1,230,479 1, Scituate,	1,474,302	+502,188	+51.66
Needham, 4 106,829 QUINCY, 46 2,148,987 2, Randolph, 7 98,130 117,603 Sharon, 5 117,603 1,364,937 1, Walpole, 8 1,115,513 1, Wellesley, 5 360,060 2,717,984 3, Weymouth, 28 2,717,984 3, Wrentham, 9 301,969 0 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 8,752,631 13, Brockton, 68 8,752,631 13, 13, Brockton, 68 8,752,631 13, 13, Brockton, 68 8,752,631 13, 13, Plymouth, 13 1,759,008 2, Middleborough, 13 1,759,008 2, Rockland, 11 1,230,479 1,	1,450,912	+191,441	+15.20
QUINCY, 46 2,148,987 2, Randolph, 7 98,130 117,603 Sharon, 5 117,603 1, Stoughton, 13 1,364,937 1, Walpole, 8 1,115,513 1, Wellesley, 5 360,060 360,060 Weymouth, 28 2,717,984 3, Wrentham, 9 301,969 301,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, Brockton, 68 8,752,631 13, East Bridgewater, 5 676,250 13, Middleborough, 13 33,737 1, Plymouth, 13 1,759,008 2, Rockland, 11 1,230,479 2, Scituate, 4 29,683 Whitman, 9 337,256 1, Bo	637,967	+119,427	+23.03
Randolph,	131,714	+22,885	+21.08
Sharon, 5 117,603 Stoughton, 13 1,364,937 1, Walpole, 8 1,115,513 1, Wellesley, 5 360,060 301,969 Weymouth, 28 2,717,984 3, Wrentham, 9 301,969 301,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,284,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, Bast Bridgewater, 5 143,000 143,000 Hanover, 6 676,250 676,250 Middleborough, 13 833,737 1, Plymouth, 13 1,759,008 2, Rockland, 11 1,230,479 1, Scituate, 4 29,683 2, Whitman, 9 1,322,999 2, Other towns, 23 937,256 1, Boston, 814 78,055,039 10, Chelsea,	2,702,566	+558,579	+25.76
Stoughton, 13 1,364,937 1, Walpole, 8 1,115,513 1, Wellesley, 5 360,060 360,060 Weymouth, 28 2,717,984 3, Wrentham, 9 301,969 301,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, BROCKTON, 68 8,752,631 13, East Bridgewater, 5 143,000 443,000 Hanover, 6 676,250 676,250 Middleborough, 13 833,737 1, Plymouth, 13 1,759,008 2, Rockland, 11 1,230,479 1, Scituate, 4 29,683 4 Whitman, 9 1,322,999 2, Other towns, 23 937,256 1, <td>232,357</td> <td>+134,207</td> <td>+136.76</td>	232,357	+134,207	+136.76
Walpole, 8 1,115,513 1, Wellesley, 5 360,060 Weymouth, 28 2,717,984 3, Wrentham, 9 301,969 2, Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,284,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, BROCKTON, 68 8,752,631 13, East Bridgewater, 5 143,000 676,250 Middleborough, 13 833,737 1, Plymouth, 13 1,756,008 2, Rockland, 11 1,230,479 1, Scituate, 4 29,683 Whitman, 9 1,322,999 2, Other towns, 23 937,256 1, Boston, 814 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 WORCESTER. 506 \$65,040,758	107,534	-9,969	-8.48
Wellesley, 5 360,060 Weymouth, 28 2,717,984 3, Wrentham, 9 301,069 2, Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, East Bridgewater, 5 143,000 143,000 Hanover, 6 676,250 676,250 Middleborough, 13 333,737 1, Plymouth, 13 1,759,008 2, Rockland, 11 1,230,479 2, Scituate, 4 29,683 1, Whitman, 9 13,22,999 2, Other towns, 23 937,256 1, Boston, 814 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 \$83,40,811	1,467,622	+102,685	+7.52
Weymouth, 28 2,717,984 3,01,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, East Bridgewater, 5 143,000 13,252,631 Hanover, 6 676,250 66,000 Middleborough, 13 1,759,008 2, Rockland, 11 1,230,479 1, Scituate, 4 29,683 1,322,999 2, Whitman, 9 937,256 1, 1, SUFFOLK. 837 \$79,199,977 \$109, BOSTON, 814 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 \$83, WORCESTER. 506 \$65,040,758 \$83, Ashburnham, 8 340,811 803,797 5	1,153,346	+37,833	+3.39
Wrentham, 9 301,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, Beast Bridgewater, 5 143,000 143,000 Hanover, 6 676,250 66,250 Middleborough, 13 833,737 1, Plymouth, 13 1,759,008 2, Rockland, 111 1,230,479 2, Scituate, 4 29,683 Whitman, 9 1,322,999 2, Other towns, 23 937,256 1, Boston, 314 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 WORCESTER. 506 \$65,040,758 \$83, Ashburnham, 8 340,811 803,797 5 Blac	380,636	+20,576	+5.71
Wrentham, 9 301,969 Other towns, 17 1,889,516 2, PLYMOUTH. 164 \$17,264,111 \$26, Abington, 12 1,579,068 2, BROCKTON, 68 8,752,631 13, East Bridgewater, 5 143,000 143,000 Hanover, 6 676,250 66,250 Middleborough, 13 833,737 1, Plymouth, 13 1,759,008 2, Rockland, 11 1,230,479 2, Scituate, 4 29,683 Whitman, 9 1,322,999 2, Other towns, 23 937,256 1, Boston, 31 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 \$83, WORCESTER. 506 \$65,040,758 \$83, Ashburnham, 8 340,811 340,811 Atho	3,512,377	+794,393	+29.23
PLYMOUTH. 164 \$17,264,111 \$26, Abington,	438,751	+136,782	+45.30
Abington,	2,267,142	+377,626	+19.99
BROCKTON,	3,493,632 +	\$9,229,521	+53.46
East Bridgewater,	2,002,946	+423,878	+26.84
East Bridgewater,	3,324,983	+4,572,352	+52.24
Hanover,	213,130	+70,130	- -1 9.04
Plymouth,	500,095	-176,155	-26.0
Plymouth,	,654,878	+821,141	+98.49
Rockland, 11 1,230,479 1, Scituate, 4 29,683 Whitman, 9 1,322,999 2, Other towns, 23 937,256 1, SUFFOLK. 837 \$79,199,977 \$109, BOSTON, 814 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 WORCESTER. 506 \$65,040,758 \$88, Ashburnham, 8 340,811 803,797 5 Blackstone, 4 3,349,592 7, Brookfield, 5 835,593 1, Chariton, 6 220,711 6 Clinton, 9 3,160,947 4, Douglas, 4 472,500 5		+1,213,401	+68.96
Whitman, 9 1,322,999 2,1 Other towns, 23 937,256 1,1 SUFFOLK. 837 \$79,199,977 \$109, BOSTON, 814 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 WORCESTER. 506 \$65,040,758 \$83, Ashburnham, 8 340,811 803,797 5 Blackstone, 4 3,349,592 7, Brookfield, 5 835,593 1, Chariton, 6 220,711 6 Clinton, 9 3,160,947 4, Douglas, 4 472,500 5	,463,062	+232,583	+18.90
Other towns, 23 937,256 1, SUFFOLK. 837 \$79,199,977 \$109, BOSTON, 814 78,055,039 106, CHELSEA, 21 1,078,970 2, Other towns, 2 65,968 WORCESTER. 506 \$65,040,758 \$83, Ashburnham, 8 340,811 803,797 5 Blackstone, 4 3,349,592 7, Brookfield, 5 835,593 1, Charlton, 6 220,711 6 Clinton, 9 3,160,947 4, Douglas, 4 472,500 5	30,500	+817	+2.78
SUFFOLK. 837 \$79,199,977 \$109, BOSTON,		+1,650,057	+124.72
BOSTON,	,358,573	+421,817	+44.95
CHELSEA, . . 21 1,078,970 2, Other towns, . . . 2 65,968 WORCESTER. . . \$65,040,758 \$88, Ashburnham, . . 8 340,811 Athol, . . 18 803,797 6 Blackstone, . . 4 3,349,592 7, Brookfield, . . 5 835,593 1, Chariton, . . 6 220,711 4 Chinton, . . 9 3,160,947 4, Douglas, . . 4 472,500 .	,505,213 +8	30,305,236	+38.20
CHELSEA, . . 21 1,078,970 2, Other towns, . . 2 65,968 WORCESTER. 506 \$65,040,758 \$88, Ashburnham, . 8 340,811 Athol, . 18 803,797 9 Blackstone, . 4 3,349,592 7, Brookfield, . . 5 835,593 1, Charlton, . . 6 220,711 . Clinton, . 9 3,160,947 4, Douglas, . 4 472,500 .	4,826,901	-28,771,862	+36.86
WORCESTER. 506 \$65,040,758 \$83,40,811 Ashburnham. 8 340,811		+1,542,246	+142.94
Ashburnham,	57,096	-8,872	-18.45
Athol, 18 803,797 6 Blackstone, 4 3,349,592 7, Brookfield, 5 835,593 1, Chariton, 6 220,711 4 Clinton, 9 3,160,947 4, Douglas, 4 472,500 4	4.970,557 + *	18,929,799	+29.10
Athol, 18 803,797 6 Blackstone, 4 3,349,592 7, Brookfield, 5 835,593 1, Charlton, 6 220,711 6 Clinton, 9 3,160,947 4, Douglas, 4 472,500 5	518,982	+178,171	+52.28
Blackstone, . . 4 3,349,592 7, Brookfield, . . 5 835,593 1, Chariton, . . 6 220,711 . Clinton, . . 9 3,160,947 4, Douglas, . . 4 472,500 .	940,745	+136,948	+17.04
Brookfield, . . 5 835,593 1, Chariton, . . 6 220,711 4 Clinton, . . 9 3,160,947 4, Douglas, . . 4 472,500 2	. 11	+4,207,162	+125.60
Charlton, 6 220,711 4. Clinton, 9 3,160,947 4., Douglas, 4 472,500	,388,650	+553,057	+66.19
Clinton,	496,791	+276,080	+125.09
Douglas,	11	+1,346,234	+42.59
	289,360	-183,140	-38.76
2 a	,492,607	+201,595	+15.62
FITCHBURG, 49 5,302,863 6,"		+1,476,626	+27.8
	,256,034	+181,091	+16.80
, , , , , , , , , , , , , , , , , , , ,	,717,160	+302,049	+21.84
	445,812	+105,891	+31.1

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF GOODS MADE: BY SELECTED CITIES AND TOWNS. 1885, 1890—Concluded.

			_						
Countri				Number of Estab- lishments		OODS MADE	Increase (+), or Decrease (-), in 1890		
CITIES, AND	TOW	ns.		Con- sidered	1885	1890	Amounts	Percent- ages	
WORCESTE	R -	Con							
Lancaster, .				5	\$104,524	\$68,078	\$86,446	-34.87	
Leicester, .				14	1,001,310	1,144,246	+142,936	+14.27	
Leominster, .				29	1,410,026	3,008,158	+1,598,132	+113.34	
Milford,				18	2,156,605	2,428,337	+271,782	+12.60	
Millbury, .				17	1,165,195	1,612,693	+147,498	+38.41	
Northborough,				5	228,050	647,867	+419,817	+184.09	
Northbridge, .				5	954,406	1,544,019	+589,613	+61.78	
Oxford,				4	321,356	461,515	+140,159	+43.61	
Southbridge, .		•		13	1,498,298	2,684,369	+1,186,071	+79.16	
Spencer,				15	8,033,840	2,404,793	629,047	-20.73	
Sutton,				5	571,379	360,870	210,509	-36.84	
Templeton, .		•		9	434,455	356,676	77,779	-17.90	
Upton,				4	1,106,783	1,216,441	+109,658	+9.91	
Uxbridge, .				8	638,405	1,127,479	+189,074	+76.61	
Warren,				8	1,049,490	996,725	52,765	5.03	
Webster, .				4	228,004	527,413	+299,409	+131.32	
Westborough,				8	1,616,336	1,505,413	110,923	-6.86	
West Boylston,				7	522,334	600,973	+78,639	+15.06	
West Brookfield,				4	210,864	204,289	6,57 5	-3.12	
Westminster, .				4	158,646	176,686	+18,040	+11.37	
Winchendon, .				12	941,591	1,161,149	+219,558	+23.32	
WORCESTER, .				139	21,508,531	27,596,759	+6,088,228	+28.31	
Other towns, .				38	5,573,029	4,746,544	826,485	-14.83	

RECAPITULATION.

THE STATE, AND COUNTIES.					Number of Estab- lishments		RK DONE	INCREASE (+), OR DECREASE (-), IN 1890		
					Con- sidered	1885	1890	Amounts	Percent- ages	
THE	8TA	TE			3,817	\$460,834,656	\$603,032,268	+\$142,197,612	+30.86	
BARNSTABLE,					18	283,011	225,639	-57,372	-20.27	
BERKSHIRE,					117	15,091,055	21,825,764	+6,734,709	+44.63	
BRISTOL,					315	41,793,094	56,923,525	+15,130,431	+36.20	
DUKES, .					1	72,000	85,000	+13,000	+18.06	
Essex, .					744	77,765,334	103,881,511	+26,116,177	+33.58	
FRANKLIN,					58	5,048,002	6,537,145	+1,489,143	+29.50	
HAMPDEN,					244	31,828,666	39,870,027	+8,041,361	+25.26	
Hampshire,					79	8,168,564	10,593,834	+2,425,270	+29.69	
MIDDLESEX,					523	102,104,824	122,450,398	+20,345,574	+19.93	
NANTUCKET,					1	2,560	1,570	990	-38.67	
Norfolk,					210	17,172,700	20,668,453	+3,495,753	+20.36	
PLYMOUTH,					164	17,264,111	26,493,632	+9,229,521	+53.46	
SUFFOLK,					837	79,199,977	109,505,213	+30,305,236	+38.26	
Worcester,	•	•			506	65,040,758	83,970,557	+18,929,799	+29.10	

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE.

1890, 1891.

[In this presentation articles of goods made by the same establishments are shown for 1890 and 1891. For instance, the quantity and value of muriatic acid made in 1890 in certain establishments are compared with the returns of the same establishments for 1891. The quantity of goods made given does not, in any instance, represent the total amount made in the State. The figures given in the table below are derived solely from the returns of those establishments which reported the quantities and values of goods made for 1890 and 1891, upon the same basis for both years, thus admitting of direct comparison. The order is alphabetical, with subsidiary classifications under such general titles as boots, boxes, cloth, etc. To avoid the use of small amounts in the "Average Price per Basis" columns, the units of measurement returned by the manufacturers have been increased when necessary; as, for instance, single pounds have been increased to 100 pounds or to tons, single feet to 1,000 feet,

	ARTICLES.			Basis	18	390	18	91
					Quantity	Value	Quantity	Value
1	Acid, muriatic			100 pounds	85,547	\$36,520	25,478	\$29,451
2	Acid, nitric		•	100 pounds	4,777	22,301	4,882	19,838
3	Acid, sulphuric			100 pounds	119,900	95,951	87,295	80,125
4	Ale,			barrels	236,096	1,270,142	223,831	1,210,657
5	Awls,			gross	25,336	21,819	24,085%	19,434
6	Awnings,				2,422	20,948	2,585	23,374
7	Axes,	•	•	dozen	11,140	78,636	28,027	196,904
8	Barrels, sugar (new),			hundred	7,866	267,609	9,247	833,574
9	Beds, spring				17,817	42,019	21,481	46,177
10	Beef, dressed	•		100 pounds	7,843	65,404	7,061	55,478
11	Belting, leather			100 pounds	3,016	189,754	3,049	194,222
12	Bicycles,				4,188	170,765	7,832	800,9 10
13	Blankets, bed			pairs	89,911	827,196	93,064	837,900
14	Blankets, horse			pairs	173,125	251,571	148,585	227,768
15	Boards, box			M feet	7,210	70,054	9,151	84,764
16	Boilers, steam	•			900	450,451	854	496,709
	Boots:			· ·				
17	Boys',			pairs	156,378	187,082	128,664	147,916
18	Children's,			pairs	484,554	297,127	467,326	283,666
19	Men's,			pairs	765,999	1,365,737	641,049	1,079,610
20	Misses',			pairs	375,268	822,712	876,281	822,590
21	· Women's,			pairs	3,368,486	8,903,277	3,187,689	3,995,307
22	Youths',			pairs	60,854	52,649	54,738	45,908
23	Boots, n. s.,* .			pairs	3,960,892	6,274,696	3,081,412	4,945,423
	Boxes:							
24	Boot and shoe, .			hundred	13,004	220,681	9,780	187,148
25	Cigar,		٠	hundred	10,068	96,354	10,727	101,584
26	Paper,			hundred	473,222	1,018,098	474,633	984,862
27	Wooden,			hundred	75,230	1,190,807	71,815	1,192,493

^{*} Not specified as to particular kind.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE.

1890, 1891.

single yards to 100 yards, single gallons to 100 gallons, etc. The price per single pound, single foot, single yard, single gallon, etc., may be readily obtained by dividing the figures given by 100, 1,000, etc. The method of reading this table is as follows: In 1890, a certain number of establishments manufactured 3,554,700 pounds of muriatic acid and in 1891 these same establishments made 2,547,800 pounds; this was a decrease of 1,006,900 pounds, or 23.33 per cent. The value of the quantity made in 1890 was \$36,520; in 1891 it amounted to \$29,451 a decrease of \$7,009, or 19.36 per cent in the latter year. The average selling price per 100 pounds was \$1.03 in 1890, and \$1.16 in 1891, an increase of 13 cents, or 12.62 per cent. The italic letters, n. s., denote the abbreviation of the words "not specified." Attention is called to the foot-notes which specify cases of indefiniteness in the designations of various kinds of goods made.]

CREASE (-), IN 1891 AS	+), or De- in Quantity compared i 1890	CREASE (), 1891 AS C	+), or l)e- in Value in ompared i 1890	Average Par B		INCREA OR DECREA AVERAGE BASIS	SE (-), IN PRICE PER	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
10,069	-28.83	\$7,069	-19.36	\$1.03	\$1.16	+\$0.13	+12.62	1
+105	+2.20	-2,468	-11.04	4.67	4.06	-0.61	13.06	2
32,605	-27.19	15,826	16.49	0.80	0.92	+0.12	+15.00	3
-12,765	-5.41	59,485	-4.68	5.38	5.42	+0.04	+0.74	. 4
—1,250 ⅓	-4.93	-2,385	-10.93	0.86	0.81	-0.05	-5.81	5
+163	+6.73	+2,426	+11.58	8.65	9.04	+0.39	+4.51	6
+16,887	+151.59	+118,268	+150.40	7.06	7.03	-0.03	-0.42	7
+1,381	+17.56	+65,965	+24.65	34.02	36.07	+2.05	+6.03	8
+3,664	+20.56	+4,158	+9.90	2.36	2.15	-0.21	-8.90	9
-782	—9.98	-9,926	-15.18	8.34	7.86	-0.48	-5.76	10
+38	+1.09	+4,468	+2.35	62.92	63.70	+0.78	+1.24	11
+3,644	+87.01	+130,145	+76.21	40.77	38.42	-2.35	—5.76	12
+3,153	+3.51	+10,704	+3.27	3.64	3.63	-0.01	-0.27	13
24,540	-14.17	23,803	9.46	1.45	1.53	+0.08	+5.52	14
+1,941	+26.92	+14,710	+21.00	9.72	9.26	-0.46	-4.73	15
46	—5.11	+46,258	+10.27	500.50	581.63	+81.13	+16.21	16
-27,714	-17.72	-39,166	-20.94	1.20	1.15	-0.05	-4.17	17
17,228	-3.56	-13,461	-4.53	0.61	0.61	1_	1_	18
-124,950	-16.31	-286,127	-20.95	1.78	1.68	_0.10	-5.62	19
+1,013	+0.27	-112	-0.03	0.86	0.86	1=	1=	20
-180,797	5.37	+92,030	+2.36	1.16	1.25	+0.09	+7.76	21
-6,116	-10.05	-6,741	-12.80	0.87	0.84	-0.03	-3.45	22
-879,480	-22. 20	-1,329,273	-21.18	1.58	1.60	+0.02	+1.27	23
-3,224	24.79	-33,533	-15.20	16.97	19.14	+2.17	+12.79	24
3,224 659	+6.55	+5,230	+5.43	9.57	9.47	-0.10	-1.04	25
+1,411	+0.30	-33,236	-3.26	2.15	2.07	_0.10 _0.08	-3.72	26
-3,415	-4.54	+2,186	+0.18	15.82	16.61	+0.79	+4.99	27

¹ No change in average price.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

	ARTICLES		Basis	18	90	18	91
				Quantity	Value	Quantity	Value
1	Braces, bit	•		100,246	\$81,197	117,258	\$88,080
2	Bread, white		100 loaves	13,964	81,952	14,660	87,437
3	Brick, common		thousand	123,989	783,125	131,683	820,225
4	Brick, face		thousand	5,116	75,976	8,948	58,751
5	Brogans,		pairs	469,694	439,553	506,944	480,962
6	Brooms, house		dozen	14,551	28,764	22,560	33,770
7	Broughams,			87	26,850	36	26,181
8	Brushes, hair		dozen	28,656	67,500	31,096	78,939
9	Brushes, horse		dozen	8,850	36,750	8,880	40,160
10	Brushes, machine		dozen	8241/2	18,834	796	25,322
11	Buggies,			943	136,729	.989	140,289
12	Buttons, collar (gilt), .		100 gross	120	88,000	135	96,000
13	Buttons, covered		100 gross	4,641	245,706	5,526	243,350
14	Buttons, shoe	•	100 gross	72,247	143,499	61,803	1 3 5,435
15	Carpeting, Brussels		yards	2,009,130	1,730,393	2,157,470	1,909,344
16	Carpeting, Wilton		yards	439,036	656,061	427,215	654,427
17	Carriages,			4,748	686,065	4,412	665,139
18	Carryalls,			280	51,400	238	48,837
19	Cases, piano			10,558	346,884	7,259	267,092
20	Cassimeres,		yards	6,110,447	6,898,304	6,175,235	6,857,873
	Castings:					ļ :	
21	Brass,		100 pounds	5,379	101;518	6,678	128,707
22	Composition,	•	100 pounds	4,194	85,200	3,801	73,758
23	Iron,	•	tons	30,072	1,729,873	31,8721/2	1,769,844
24	Machine,	•	tons	9,616	509,004	8,9191/4	478,131
25	Castings, n. s.,* .	•	tons	8,720%	493,453	8,930¾	521,233
26	Chairs, cane-seat	•	hundred	7,422	515,673	7,207	510,829
27	Chairs, wood-seat	•	hundred	4,252	147,600	4,252	140,600
28	Cheroots,	•	hundred	20,351	17,570	81,337	38,737
29	Cheviot,	•	yards	122,987	122,122	261,625	240,708
30	Cider,	•	100 gallons	7,220	112,593	11,127	113,797
31	Cider,	•	barrels	2,944	11,656	5,328	18,029
32	Cigars,	•	thousand	39,298	1,747,285	42,114%	1,826,423
33	Cloaking,	•	yards	466,120	557,229	408,736	499,495
	Cloth:		***	0.505	000.007		,
34	Awning,	•	100 pounds	8,587	233,935	8,227	217,043
35	Cotton,	•	100 pounds	766,187	19,599,778	803,786	19,265,303
36	Print,	•	100 yards	239,760	791,013	256,098	743,470
37	Print,	•	100 pounds	288,256	6,960,714	292,535	6,311,008
38	Printed,	•	100 yards	1,772,238	11,541,147	2,240,484	12,190,808
39	Printed,	•	100 pounds	15,300	375,387	12,723	281,413
40	Codfish, salt (dried),	•	100 pounds	40,086	215,335	87,706	239,962
41 42	Comba drossing (horn)	•	100 pounds	114,097	2,800,372	127,370	3,130,829
42 43	Combs, dressing (horn), .	•	gross	31,050 131,461	145,250	30,717	144,600
44	Confectionery,	•	100 pounds	131,464 12,943	1,443,883 311,952	126,493	1,367,837
44	Coru, sasu	•	100 bonnas	12,843	311,802	11,310	260,879

^{*} Not specified as to particular kind.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

Increase (-), crease (), in 1891 as with	+), OR DE- IN QUANTITY COMPARED I 1890	Increase (CREASE (-), 1891 AS C	+), OR DE- IN VALUE IN OMPARED 1890	Average per l		INCREA OR DECREA AVERAGE BASIS	se (+), ase (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
+17,012	+16.97	+\$6,883	+8.48	\$0.81	\$0.75	-\$0.06	-7.41	1
+696	+4.98	+5,485	+6.69	5.87	5.96	+0.09	+1.53	2
+7,694	+6.21	+37,100	+1.74	6.32	6.23	-0.09	-1.42	3
1,168	-22.83	-17,225	-22.67	14.85	14.88	+0.03	+0.20	4
+37,250	+7.93	+41,409	+9.42	0.94	0.95	+0.01	+1.06	5
+8,009	+55.01	+5,006.	+17.40	1.98	1.50	-0.48	-24.24	6
-1	-2.70	669	2.49	725.68	727.25	+1.57	+0.22	7
+2,440	+8.51	+11,439	+16.95	2.36	2.54	+0.18	+7.63	8
+30	+0.34	+3,410	+9.28	4.15	4.52	+0.37	+8.92	9
-281/2	-3.46	+6,988	+38.11	22.24	31.81	+9.57	+43.03	10
+46	+1.88	+3,560	+2.60	144.99	141.85	-3.14	-2.17	11
+15	+12.50	+8,000	+9.09	733.33	711.11	-22.22	-3.03	12
+885	+19.07	-2,356	0.96	52.94	44.04	-8.90	-16.81	13
-10,444	-14.46	8,064	5.62	1.99	2.19	+0.20	+10.05	14
+148, 34 0	+7.38	+178,951	+10.34	0.86	0.88	+0.02	+2.33	15
-11,821	-2.69	1,634	-0.25	1.49	1.53	+0.04	+2.68	16
-336	-7.08	-20,926	-3.05	144.50	150.76	+6.26	+4.33	17
-42	15.00	-2,563	4.99	183.57	205.20	+21.63	+11.78	18
-3,299	31.25	79,792	-23.00	32.86	36.79	+3.93	+11.96	19
- 64 ,788	+1.06	-40,431	-0.59	1.13	1.11	-0.02	-1.77	20
+1,299	+24.15	+27,189	+26.78	18.87	19.27	+0.40	+2.12	21
—39 3	-9.37	-11,447	-13.44	20.31	19.40	-0.91	-4.48	22
+1,800%	+5.99	+39,971	+2.31	57.52	55.53	-1.99	-3.46	23
-696¾	-7.25	-30,873	-6.07	52.93	53.61	+0.68	+1.28	24
+209 1/2	+2.40	+27,780	+5.63	56.58	58.37	+1.79	+3.16	25
-215	-2.90	5,344	-1.04	69.48	70.81	+1.33	+1.91	26
1==	1=	7,000	-4.74	34.71	33.07	-1.64	-4.72	27
+10,986	+53.98	+16,167	+92.01	0.86	1.08	+0.22	+25.58	28
+138,638	+112.73	+118,586	+97.10	0.99	0.92	-0.07	7.07	29
- [3,907	+54.11	+1,204	+1.07	15.59	10.23	-5.36	-34.38	30
+2,384	+80.98	+1,373	+11.78	3.96	2.45	-1.51	-38.13	31
+2,816%	+7.17	+79,138	+4.53	44.46	43.37	-1.09	-2.45	32
57,384	12.31	57,734	-10.36	1.20	1.22	+0.02	+1.67	33
360	4.19	-16,892	_7.22	27.24	26.38	-0.86	-3.16	34
+37,599	+4.91	-334,475	-1.71	25.58	23.97	-1.61	-6.29	85
+16,338	+6.81	-47,543	-6. 01	3.30	2.90	-0.40	-12.12	36
+4,279	+1.48	-649,706	-9.33	24.15	21.57	-2.58	-10.68	37
+468,246	+26.42	+649,661	+5.63	6.51	5.44	-1.07	-16.44	38
-2,577	-16.84	-93,974	-25.03	24.54	22.12	-2.42	-90.14	39
-2,380	-5.94	+24,627	+11.44	5.37	6.36	+0.99	+18.44	40
+13,273	+11.63	+330,457	+11.80	24.54	24.58	+0.04	+0.16	41
-333	-1.07	—6 50	0.45	4.68	4.71	+0.03	40.64	42
-4,971	-3.78	—75,996	5.26	10.98	10.81	-0.17	1.55	43
-1,633	-12.62	-51,073	-16.37	24.10	23.07	-1.03	-4.27	44

¹ No change in quantity.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

	Articles.			Basis	18	90	18	91 -
					Quantity	Value	Quantity	Value
1	Cottonades,	•		100 pounds	14,032	\$386,885	17,152	\$469,508
2	Crackers,			100 pounds	83,371	249,903	30,667	237,094
3	Crackers,			barrels	109,882	321, 045	113,526	315,404
4	Cream of tartar, .	•		100 pounds	12,045	344,990	14,422	372,386
5	Denim,			100 pounds	80,571 ·	1,838,859	83,608	1,876,969
6	Domett,			100 pounds	3,414	106,214	6,503	196,383
7	Dories,		•		1,285	21,430	1,506	24,276
8	Dress goods, cotton .			abaroq 001	29,936	1,136,440	22,059	780,658
9	Dress goods, woollen			100 yards	76,524	3,761,728	78,312	4,036,522
10	Dress goods, worsted			100 yards	177,702	4,262,982	204,821	4,796,533
11	Drill,			100 yards	89,560	601,320	94,107	623,299
12	Duck, cotton	•		100 pounds	31,249	637,717	31,647	599,242
13	Dusters, feather .	•		dozen	10,110	61,387	9,979	57,479
14	Envelopes,		\cdot	thousand	1,050,188	1,202,416	1,423,873	1,229,742
15	Extracts, flavoring .	•	\cdot	gross	2,200	37,000	2,235	87,408
16	Felt,			100 feet	97,273	601,927	99,604	583,305
17	Fertilizers,			tons	9,9381	279,401	9,000	274,861
18	Files,			dozen	12,001	27,456	13,958	31,380
19	Fish, boneless	•		100 pounds	167,136	961,455	161,011	1,010,945
20	Flannel,	•		100 yards	103,775	2,559,737	120,614	2,910,600
21	Flannel, cotton	•		100 pounds	148,596	3,403,662	141,926	8,173,417
22	Forgings, iron	•	\cdot	tons	2,109 1/2	145,130	1,774%	115,624
23	Furnaces,	•		• •	2,680	185,752	2,804	195,056
24	Gingham,			100 yards	639,177	4,640,620	609,342	4,628,305
25	Glue,	•		100 pounds	85,299	401,941	36,516	392,567
26	Gold leaf,	•		packs	13,823	97,024	14,367	112,576
27	Granite, dressed .	•		cubic feet	13,618	30,414	14,4 8 0	34,598
28	Granite, polished .	•	•	cubic feet	14,900	72,500	16,312	75,435
29	Granite, rough	•	\cdot	cubic feet	61,436	75,603	55,820	66,110
30	Grease, curriers' .	•		100 pounds	26,022	114,161	25,265	112,796
31	Grease, rendered .	•		100 pounds	36,266	144,804	37,961	154,714
82	Hairpins, horn	•	•	gross	37,950	72,150	48,000	96,000
33	Hair, plastering .	•	•	tons	644	24,360	6501/2	25,501
34	Halters,	•	•	dozen	5,200	10,700	6,200	15,800
35	Ham,	•	•	100 pounds	35,877	310,268	39,530	337,920
36	Hammocks,	•	•	dozen	3,3803	37,641	2,872%	33,207
87	Harnesses,	•	•		8,787	167,829	8,572	155,615
38	Felt (men's),		.	dozen	14,430	271,218	19,147	305,580
39	Fur,		.	dozen	66,574	636,936	62,586	580,579

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE
— 1890, 1891—Continued.

	se (+), ase (-), in l'rice per in 1891	AVERAGE		AVERAGE PER I	+), or De- in Value in compared i 1890	1891 AS C	+), or De- in Quantity compared i 1890	Increase (Crease (—), IN 1891 AS WITH
	Percent-	Amounts	1891	1890	Percentages	Amounts	Percentages	Quantity
1	-0.78	-\$0.20	\$27.37	\$27.57	+21.36	+\$82,623	+22.23	+3,120
2	+3.20	+0.24	7.73	7.49	-5.13	-12,809	-8.10	-2,704
3	4.79	-0.14	2.78	2.92	-1.76	-5,641	+3.32	+3,644
4	-9.85	-2.82	25.82	28.64	+7.94	+27,396	+19.73	+2,377
5	-1.62	-0.37	22.45	22.82	+2.07	+38,110	+3.77	+3,087
6	-2.96	-0.92	80.19	81.11	+84.85	+90,119	+90.48	+3,089
7	-3.86	-0.56	16.12	16.68	+13.28	+2,846	+17.20	+221
8	-6.77	-2.57	35.39	87.96	-31.31	-355,782	-26.31	—7,877
9	+4.76	+2.34	51.54	49.20	+7.22	+271,794	+2.34	+1,788
10	-2.38	0.57	23.42	23.99	+12.52	+533,551	+15.26	+27,119
11	-1.34	-0.09	6.62	6.71	+3.66	+21,979	+5.08	+4,547
12	—7.20	1.47	18.94	20.41	-6.03	-38,475	+1.27	+398
13	9.5 8	-0.61	5.76	6.37	-10.73	6,908	1.30	131
14	-24.56	-0.28	0.86	1.14	+2.27	+27,326	+35.58	+373,685
15	-0.48	0.08	16.74	16.82	+1.10	+408	+1.59	+35
16	-5.33	0.83	5.86	6.19	-3.09	-18,622	+2.40	+2,331
17	+8.64	+2.43	30.54	28.11	-1.62	-4,540	-9.44	938⅓
18	-1.75	-0.04	2.25	2.29	+14.29	+3,924	+16.31	+1,957
19	+9.22	+0.53	6.28	5.75	+5.15	+49,490	-3.66	6,125
20	-2.19	-0.54	24.13	24.67	+13.71	+350,863	+16.23	+16,839
21	-2.40	0.55	22.86	22.91	-6.76	-230,245	-4.49	6,670
22	-5.31	-3.65	65.15	68.80	-20.33	-29,506	15.87	-334%
23	+0.36	+0.25	69.56	69.31	+5.01	+9,304	+4.63	+124
24	+4.68	+0.34	7.60	7.26	-0.27	-12,315	-4.67	29,835
25	-5.62	-0.64	10.75	11.89	-2.33	9,374	+3.45	+1,217
26	+11.68	+0.82	7.84	7.02	+16.03	+15,552	+3.94	+544
27	+7.17	+0.16	2.39	2.23	+13.76	+4,184	+6.33	+862
28	-5.13	-0.25	4.62	4.87	+4.05	+2,935	+9.48	+1,412
29	-4.07	0.05	1.18	1.23	-12.56	-9,493	9.14	-5,616
30 31	+1.59 $+2.26$	+0.07	4.46	4.39 3.99	-1.20 +6.84	-1,365 +9,910	-2.91 +4.67	-757 +1,695
82	+5.26	+0.10	2.00	1.90	+33.06	+23,850	+26.48	+10,050
33	+3.62	+1.37	89.20	87.83	+4.68	+1,141	+1.01	+6%
84	+23.79	+0.49	2.55	2.06	+47.66	+5,100	+19.23	+1,000
85	-1.16	-0.10	8.55	8.65	+8.91	+27,652	+10.18	+3,653
36	+3.86	+0.43	11.56	11.13	-11.78	-4,434	15.02	507 3≰
87	-4.97	-0.95	18.15	19.10	-7.28	-12,214	-2.45	-215
38	-15.11	2.84	15.96	18.80	+12.67	+34,862	+32.69	+4,717
39	-3.03	0.29	9.28	9.57	-8.85	56,857	-5.99	-8,988
40	+0.32	+0.19	59.14	58.95	-18.20	9,616	18.46	—165 ⅓

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE
—1890, 1891—Continued.

		Basis	18	190	18	91
	Articles.	Dasis	Quantity	Value	Quantity	Value
	Hats: - Con.					[
1	Straw,	dozen	503,651	\$1,074,030	522,140	\$1,117,087
2	Wool,	dozen	55,714	333,138	50,372	297,617
3	Heeling,	100 sheets	5,529	54,182	7,031	65,488
4	Hoels,	100 pairs	110,389	290,227	100,017	244,423
5	Hosiery, cotton	100 pairs	218,260	1,185,726	276,448	1,494,206
6	Hosiery, silk	dozen pairs		172,059	7,631	160,323
7	Hosiery, woollen	dozen pairs	180,656	263,660	174,995	280,479
8	Ice,	tons	90,341%	299,110	70,089	233,618
9	Ice cream,	gallons	87,725	60,511	84,105	52,205
10	Iron, bar	tons	14,005	525,380	12,637	491,166
11	Isinglass,	100 pounds	2,131	110,930	2,604	128,241
12	Jackets, cardigan	dozen	3,600	48,900	1,220	22,200
13	Jackets, women's		900	9,000	3,195	26,522
14	Jean, corset	100 pounds	4,264	107,889	5,713	130,084
15	Kegs, nail	hundred	3,268	40,850	2,845	84,961
16	Knives, shoe	100 dozen	417	82,150	347	28,338
17	Lager beer,	barrels	866,137	2,312,998	389,20834	2,483,440
18	Lard,	100 pounds	35,093	218,593	48,275	318,725
19	Lasts, boot and shoe	100 pairs	6,796	358,988	5,830	316,961
20	Lathes,		2,289	770,043	1,886	646,097
21	Lawn,	100 yards	90,382	413,042	57,685	300,975
22	Lawn	100 pounds	12,240	726,635	14,099	936,376
	Leather:	1 -	•			1
23	Buff,	sides	205,030	485,787	189,050	446,393
24	Calfskin,	dozen	25,8331/3	405,466	34,166%	558,765
25	Card,	sides	14,200	47,000	13,300	44,400
26	Dongola,	dozen	24,190	253,930	42,341	417,186
27	Goatskin,	100 feet	15,418	235,592	9,614	141,666
28	Goatskin,	dozen	74,510	829,231	71,844	697,475
29	Gostskin (pebbled),	dozen	10,560	105,600	8,550	79,950
3 0	Grain,	100 feet	86,041	1,021,476	101,331	943,729
31	Grain,	sides	323,823	777,248	253,681	559,995
32	Kid,	dozen	32,613	403,871	25,692	277,478
83	Kid (glazed),	dozen	59,000	656,000	72,000	760,000
84	Kip,	100 feet	22,122	214,099	12,876	128,584
85	Morocco,	dozen	19,869	78,575	19,724	82,718
36	Sheepskin,	dozen	203,848	969,499	190,957	1,022,625
37	Bole,	aides	157,560	488,436	102,000	304,500
38	Split (finished),	tons	4,810	1,711,506	4,37634	1,477,342
89	Split (rough),	100 pounds	7,934	75,866	5,936	52,205
40	Upper,	II i	15,537	170,906	9,904	85,572
41	Leather, n. s.,*	sides	922,116	1,782,133	808,220	1,880,555

^{*} Not specified as to particular kind.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE
—1890, 1891—Continued.

Increase (Crease (), in 1891 as	+), OR DE- IN QUANTITY COMPARED I 1890	Increase (crease (—), 1891 as c	+), or De- in Value in compared i 1890	Average Per F		INCREA OR DECREA AVERAGE BASIS	se (+), se (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent-	
1 40 400		1.440.055		40.10	40.14	1.00.01		١.
+18,489	+3.67	+\$43,057	+4.01	\$2.13 5.98	\$2.14 5.91	+ \$0. 01 0.07	+0.47	1 2
5,342 +1,502	-9.59 +27.17	-85,521 +11,306	-10.66 +20.87	9.80	9.31	-0.49	1.17 5.00	8
—10,372	—9.40	-45,801	—15.78	2.63	2.44	-0.19		4
-10,312 +58,188	+26.66	+308,480	+26.02	5.43	5.41	-0.02	-0.37	5
902	-10.57	-11,736	-6.82	20.16	21.01	+0.85	+4.22	6
-5.661	-3.13	—33,181	-12.58	1.46	1.82	-0.14	-9.59	7
•		,						
-20,252 ¾	1 1	65,492	-21.90	3.31	3.33	+0.02	+0.60	8
3,620	-9.60	8,306	-13.73	1.60	1.53	-0.07	-4.38	9
-1,368	-9.77	-31,214	-5.94	37.51	89.10	+1.59	+4.21	10
+473	+22.20	+17,811	+15.61	52.06	49.25	-2.81	—5.4 0	11
2,380 ·	-66.11	-26,700	-54.60	13.58	18.20	+4.62	+34.02	12
+2,295	+255.00	+17,522	+194.69	10.00	8.30	-1.70	-17.00	13
+1,449	+33.98	+22,195	+20.57	25.30	22.77	-2.53	10.00	14
-423	-12.94	-5,889	-14.42	12.50	12.29	-0.21	-1.68	15
70	-16.77	-3,812	-11.86	77.10	81.67	+4.57	+5.93	16
+23,0711/4	+6.30	+170,443	+7.37	6.32	6.38	+0.06	+0.95	17
+13,182	+37.56	+100,132	+45.81	6.23	6.60	+0.37	+5.94	18
—966	-14.21	-42,027	-11.71	52.82	54.37	+1.55	+2.93	19
-403	-17.61	-123,946	-16.10	336.41	342.58	+6.17	+1.83	20
-32,697	-36.18	-112,067	-27.13	4.57	5.22	+0.65	+14.22	21
+1,859	+15.19	+209,741	+28.86	59.37	66.41	+7.04	+11.86	22
							·	ļ
15,980	-7.79	-39,394	-8.11	2.37	2.36	-0.01	-0.42	23
+8,33 3 1/ ₈	+32.26	+153,299	+37.81	15.70	16.35	+0.65	+4.14	24
900	6.34	-2,600	5.53	8.31	3.34	+0.03	+0.91	25
+18,151	+75.04	+163,256	+64.29	10.50	9.85	-0.65	-6.19	26
-5,804	-37.64	93,926	-39.87	15.28	14.74	-0.54	-3.53	27
-2,666	-3.58	131,756	-15.89	11.13	9.71	-1.42	-12.76	28
2,010	-19.03	-25,650	-24.29	10.00	9.35	-0.65	-6.50	29
+15,290	+17.77	—77,747	-7.61	11.87	9.31	-2.56	-21.57	30
—70,142	-21.66 -21.22	-217,253	-27.95 -31.30	2.40 12.38	2.21 10.80	-0.19 -1.58	-7.92 -12.76	31
6,921	+22.03	-126,393		11.12	10.56	N .		32
+13,000 9,246	-41.80	+104,000 -85,515	+15.85 -39.94	9.68	9.99	-0.56 +0.31	5.04	33
	-0.73	+4,148	+5.27	3.95	4.19	+0.24	+3.20	34 35
-12,891	-6.32	+53,126	+5.48	4.76	5.36	+0.60	+6.08 +12.61	36
55,560	-35.26	-183,936	-37.66	3.10	2.99	-0.11	-3,55	37
-433¾		-234,164	-13.68	355.82	337.58	-18.24	-5.13	38
-1,998	-25.18	-23,661	-31.19	9.56	8.79	-0.77	-8.05	89
-5,683	-36.26	85,334	-49.93	11.00	8.64	-2.36	-21.45	40
-113,896	-12.35	-351,578	-20.30	1.88	1.71	-0.17	-9.04	41
		1	<u> </u>	<u> </u>	!	<u> :</u>	<u></u>	<u></u>

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

	Articles.		Basis	19	P0	18	D 1
				Quantity	Value	Quantity	Value
1	Leather-board,		tons	2,501 1/4	\$218,247	2,22714	\$193,922
2	Lines, cotton		100 pounds	4,248	91,700	4,620	100,500
3	Linings, rubber boot		100 yards	5,850	307,000	5,500	303,000
4	Linings, rubber boot		100 pounds	2,977	211,000	3,620	253,400
5	Logwood, extract of		100 pounds	15,000	82,502	14,534	95,398
6	Looms,			4,094	250,206	3,580	253,203
7	Lumber, spruce .		M feet	41,122%	656,047	40,069	632,281
	Machines:		•				
8	Balling,			80	8,550	46	4,875
9	Beating out, .			12	6,000	18	7,200
10	Box-matching, .			11	825	9	670
11	Buffing,]	150	15,000	175	17,500
12	Card grinders, .		١	28	1,405	23	1,335
13	Carding (wool), .		١	77	80,800	57	22,800
14	Cutting (feed), .		١	1,202	6,628	1,476	7,596
15	Cutting (gear),			16	12,751	23	18,913
16	Cutting (leather),		l . . .	12	2,400	8	1,600
17	Cutting (metal), .			86	1,600	83	1,450
18	Cutting (saw),			12	1,200	6	500
19	Drawing,			150	62,500	200	64,210
20	Drilling,	• •		1,500	16,500	1,300	14,000
21	Drying (wool),	: :		20	9,500	22	9,000
22	Feeders	: :		283	80,205	836	34,000
	Folding (paper),			63	42,905	40	80,683
23				266	14,815	827	19,140
24	Grinding, Heeling,			24	6,000	48	12,000
25	Milling,		: :	203	96,925	215	104,019
26	Mortising,		1	69	7,295	81	9,578
27	•	• •		51	5,814	60	6,641
28	Moulding, Paper,	• •		14	212,640	13	235,361
29	• •	• •		101	83,965	72	23,724
30	Planing,	• •	l: :	15	87,848	10	85,816
31	Printing,		· •	26	2,210	35	2,350
82	Rolling,			1	180	4	600
33	Ruling,			171	17,163	141	14,292
34	Bawing,			90	7,200	80	6,400
85	Scouring (heel),	• •	• •	18	7,020	10	8,750
86	Scouring (leather),	• •		105,002	1,860,005	103,184	1,869,513
37	Sewing,	• •		105,002	800	7	490
38	Sizing (box),	• •		50	6,250	45	5,600
39	Shaping,			16	9,600	14	8,800
40	Spinning (frame),	• •		5	875	3	240
41	Splitting (wood),	• •				6	
42	Spool,	• •	• •	4	963		1,426
43	Trimming,	• •		106	5,660	107	5,620
44	Turning (shoe), .			80	5,060	48	2,710

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE
— 1890, 1891—Continued.

CREASE (-), IN 1891 AS	+), or De- in Quantity compared i 1890	Increase (Crease (—), 1891 as c	+), or De- in Value in compared i 1890	Averagi PER I	E VALUE Basis	OR DECREA	Price per	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
-2741/4	-10.96	-\$24,325	-11,15	\$87.25	\$87.07	-\$0.18	-0.21	1
+372	+8.76	+8,800	+9.60	21.59	21.75	+0.16	+0.74	2
-350	5.98	-4,000	-1.30	52.48	55.09	+2.61	+4.97	8
+643	+21.60	+42,400	+20.09	70.88	70.00	0.88	-1.24	4
466	-3.11	+12,891	+15.63	5.50	6.56	+1.06	+19.27	5
514	-12.55	+2,997	+1.20	61.12	70.73	+9.61	+15.72	6
—1 ,053⅓	2.56	23,766	-3 62	15.95	15.78	-0.17	-1.07	7
+16	+53.33	+1,325	+37.82	118.33	105.98	-12.35	-10.44	8
-+6	- 5 0.00	+1,200	+20.00	500.00	400.00	-100.00	-20.00	9
-2	-18.18	-155	-18.79	75.00	74.44	-0.56	-0.75	10
+25	+16.67	+2,500	+16.67	100.00	100.00	1==	1_	11
<u></u> 5	17.86	-70	-4.98	50.18	58.04	+7.86	+15.66	12
20	-25.97	8,000	-25.97	400.00	400.00	1=	1==	13
+274	+22.80	+968	+14.60	5.51	5.15	0.36	-6.53	14
+7	+43.75	+6,162	+48.33	796.94	822.80	+25.36	+3.18	15
-4	-33.33	800	-33.33	200.00	200.00	1=	1==	16
—3	-8.33	150	-9.38	41.44	43.94	-0.50	-1.13	17
6	50.00	700	58.33	100.00	83.33	-16.67	16.67	18
+50	+33.33	+1,710	+2.74	416.67	321.05	-95.62	-22.95	19
200	-13.33	-2,500	-15.15	11.00	10.77	-0.23	-2.09	20
+2	+10.00	500	5.26	475.00	409.09	65.91	-13.88	21
+53	+18.73	+3,795	+12.56	106.73	101.19	-5.54	-5.19	22
23	-36.51	-12,222	-28.49	681.03	767.08	+86.05	+12.64	23
+61	+22.93	+1,325	+29.19	55.70	58.53	+2.83	+5.08	24
+24	+100.00	+6,000	+100.00	250.00	250.00	1=	1=	25
+12	+5.91	+7,094	+7.32	477.46	483.81	+6.35	+1.33	26
+12	+17.39	+2,283	+31.30	105.72	118.25	+12.53	+11.85	27
+9	+17.65	+827	+14.22	114.00	110.68	-3.32	-2.91	28
-1	-7.14	+22,721	+10.69	15,188.57	18,104.69	+2,916.12	+19.20	29
29	-28.71	10,241	-30.15	336.29	829.50	-6.79	2.02	30
5	—8 3.33	-2,032	-5.37	2,523.20	3,581.60	+1,058.40	+41.95	81
+9	+34.62	+140	+6.33	85.00	67.14	-17.86	-21.01	32
+3	+300.00	+420	+233.33	180.00	150.00	-30.00	-16.67	33
30	17.54	-2,871	-16.73	100.37	101.36	+0.99	+0.99	34
-10	-11.11	800	-11.11	80.00	80.00	1=	1=	35
8	-44.44	-3,270	-46.58	890.00	375.00	15.00	-3.85	36
-1,818	-1.73	+9,508	+0.51	17.71	18.12	+0.41	+2.32	37
-3	-30.00	-310	38.75	80.00	70.00	-10.00	-12.50	38
-5	-10.00	650	10.40	125.00	124.44	-0.56	-0.45	39
-2	-12.50	800	-8.33	600.00	628.57	+28.57	+4.76	40
-2	-40.00	—135	-36.00	75.00	80.00	+5.00	+6.67	41
+2	+50.00	+463	+48.08	240.75	237.67	-3.08	1.28	42
+1	+0.94	-40	-0.71	53.40	52.52	-0.88	-1.65	43
-32	-40.00	-2,350	-46.44	63.25	56.46	-6.79	-10.74	44
			,					=

¹ No change in average price.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE
— 1890, 1891—Continued.

=	Articles.			Basis	18	90	18	91
					Quantity	Value	Quantity	Value
	Machines: - Con.							
1	Twisting, .				22	\$21,015	24	\$26,482
2	Warping, .				14	8,360	47	11,558
8	Washing (wool)	, .			25	27,000	21	24,500
4	Mackerel, canned		•	100 pounds	245	4,004	849	6,243
5	Mantels, wooden			• •	1,500	82,500	1,600	35,100
6	Mattresses, .		•	• •	85,171	106,000	58,500	145,750
7	Mcat, canned .			tons	500	175,000	550	180,000
8	Meat (for fertilizers) Meal:	, .	•	tons	704%	2,818	6963/2	2,785
9	Corn,			100 pounds	72,490	81,696	65,807	87,607
10	Corn,		•	100 bushels	39,747	2,392,490	86,462	2,409,309
11	Mixed (for feed)	, .	•	100 bushels	6,100	844,650	5,030	3 01,800
12	Rye,		•	100 bushels	806	27,910	815	29,680
13	Melton,		•	yards	93,612	98,293	156,193	164,000
14	Metal, yellow .		•	tons	1,396%	319,057	1,096¾	801,012
15	Meters, water . Mittens:	• •	•		7,099	169,147	7,361	172,582
16	Cashmere, .			dozen pairs	504	1,367	179	465
17	Silk,			dozen pairs	2,774	22,251	4,102	27,044
18	Woollen, .			dozen pairs	7,734	13,924	9,294	17,821
19	Worsted, .			dozen pairs	6,500	15,050	4,500	12,650
20	Moulding, gilt .			M feet	1,000	36,000	1,000	34,000
21	Mucilage,		•	gallons	27,250	51,750	80,250	61,250
	Nails:			ŀ				
22	Brass,			100 pounds	2,182	53,254	1,929	40,015
23	Cut,			kegs	193,074%	427,043	184,6151/4	390,244
24	Steel,			100 pounds	5,324	19,268	4,197	14,725
25	Zinc,			100 pounds	856	10,387	1,264	15,441
26	Neckties,			dozen	90,536	316,308	87,729	322,805
27	Needles, machine			hundred	10,771	24,158	10,427	21,686
28	Needles, sewing-mac	hine .		thousand	19,392	159,740	23,028	180,302
29	Noils,		•	100 pounds	6,611	159,330	7,614	182,469
80	Oars,		•	M feet	115	6,294	232	18,723
81	Oatmeal, Oil:		•	100 bushels	860	42,918	919	51,790
82	Fish,			100 gallons	2,315	66,192	2,270	74,554
83	Fish,			barrels	4,100	57,400	9,000	99,000
34	Machine, .			barrels	650	15,000	500	10,000
85	Sperm, .			100 gallons	3,017	229,320	2,926	228,184
86	Whale, .			100 gallons	1,572	81,320	1,226	65,012
87	Organs, church .				46	127,303	52	135,012
88	Organs, reed .				5,055	244,259	8,222	156,788
89	Overalls,			dozen	3,600	17,350	4,000	23,250
40	Overcoats,			•	81,570	384,078	84,543	429,915

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

Increase (Crease (—), in 1891 as with	+), or De- in Quantity compared i 1890	Increase (CREASE (—), 1891 as c With	+), or De- IN VALUE IN OMPARED I 1890	AVERAGI PER I		Increa or Decrea Average Basis	se (+), ase (-), in Price per in 1891	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	<u> </u>
						İ		
+2	+9.09	+\$5,467	+26.01	1 -	\$1,103.42	1	+15.51	1
+33	+235.71	+8,198	+243.99	240.00	245.91	+5.91	+2.46	2
-4	-16.00	-2,500	-9.26	1,080.00	1,166.67	+86.67	+8.03	3
+104	+42.45	+2,239	+55.92	16.34	17.89	+1.55	+9.49	4
+100	+6.67	+2,600	+8.00	21.67	21.94	+0.27	+1.25	5
+18,329	+52.11	+39,750	+37.50	8.01	2.72	0.29	9.63	6
+50	+10.00	+5,000	+2.86	850.00	827.27	-22.73	-6.49	7
-8⅓	-1.15	33	-1.17	4.00	4.00	1=	1	8
6,683	-9.22	-5,911	-7.24	1.13	1.33	+0.20	+17.70	9
3,285	8.26	+16,819	+0.70	60.19	66.08	+5.89	+9.79	10
-1,070	-17.54	-42,850	-12.43	56.50	60.00	+3.50	+6.19	11
+9	+2.94	+1,770	+6.34	91.21	1.22	+3.01	+3.30	12
+62,581	+66.85	+65,707	+66.85	1.05	1.05	1=	1	13
-300⅓	-21.49	-18,045	5.97	228.41	274.46	+46.05	+20.16	14
+262	+3.69	+8,435	+2.03	23.83	23.45	-0.38	-1.59	15
325	-64.48	902	-65.98	2.71	2.60	-0.11	-4.06	16
+1,328	+47.87	+4,793	+21.54	8.02	6.59	-1.43	-17.83	17
+1,560	+20.17	+3,897	+27.99	1.80	1.92	+0.12	+6.67	18
2,000	-30.77	-2,400	-15.95	2.32	2.81	+0.49	+21.12	19
3	3=	-2,000	-5.56	86.00	84.00	-2.00	-5.56	20
+3,000	+11.01	+9,500	+18.36	1.90	2.02	+0.12	+6.32	21
]			
253	11.59	-13,239	-24.86	24.41	20.74	8.67	-15.03	22
-8,459	-4.38	86,799	8.62	2.21	2.11	-0.10	-4.52	23
-1,127	-21.17	-4,543	-23.58	3.62	8.51	-0.11	-3.04	24
+408	+47.66	+5,054	+48.66	12.13	12.22	+0.09	+0.74	25
-2,807	-3.10	+6,497	+2.05	3.49	3.68	+0.19	+5.44	26
314	-3.19	-2,472	-10.28	2.24	2.08	-0.16	-7.14	27
+3,636	+18.75	+20,562	+12.87	8.24	7.83	-0.41	-4.98	28
+1,003	+15.17	+23,139	+14.52	24.10	23.96	-0.14	0.58	29
+117	+101.74	+7,429	+118.03	54.78	59.15	+4.42	+8.08	30
+59	+6.86	+8,872	+20.67	49.90	56.35	+6.45	+12.93	31
·			,				'	
-45	-1.94	+8,362	+12.63	28.59	82.84	+4.25	+14.87	32
+4,900	+119.51	+41,600	+72.47	14.00	11.00	-3.00	-21.43	33
150	-23.08	-5,000	-33.33	23.08	20.00	-3.08	-13.34	34
9 1	-3.02	1,136	-0.50	76.01	77.98	+1.97	+2.59	85
-346	-22.01	-16,308	-20.05	51.73	53.03	+1.30	+2.51	36
+6	+13.04	+7,709	+6.06	2,767.46	2,596.38	-171.08	-6.18	87
1,833	-36.26	-87,471	-35.81	48.32	48.66	+0.84	+0.70	38
+400 +2,973	+11.11	+5,900	+34.01	4.82 12.17	5.81	+0.99	+20.54	89
74,818	+9.42	+45,837	+11.93	12.17	12.45	+0.28	+2.30	40

¹ No change in average price.

² No change in quantity.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

	ARTICLES.	•	Basis	18	90	18	91
				Quantity	Value	Quantity	Value
1	Pails,		hundred	14,086	\$144,728	17,933	\$176,280
2	Pantaloons		pairs	456,488	1,237,397	498,275	1,367,660
	Paper:		-			,	
8	Asbestos, .		100 pounds	6,000	42,000	5,500	38,500
4	Book,		100 pounds	428,703	2,542,466	466,766	2,620,903
5	Building,		100 pounds	59,536	155,506	56,631	145,852
6	Card,		100 pounds	132,680	720,334	137,920	708,250
7	Carpet-lining, .		100 pounds	64,817	157,783	65,330	153,738
8	Hanging,		100 pounds	47,757	179,530	45,550	156,791
9	Manila		100 pounds	38,057	174,502	52,912	225,498
10	News,		100 pounds	803,120	1,037,000	304,610	946,040
11	Packing.		100 pounds	2,549	7,435	8,185	8,655
12	Surface coated, .		100 pounds	68,280	580,799	90,100	679,047
13	Wrapping,		100 pounds	89,400	130,138	40,780	131,500
14	Writing,		100 pounds	506,825	4,873,605	433,990	4,903,078
15	Paper, n.s.,*		100 pounds	983,831	6,501,608	1,092,529	7,073,881
16	Photographs,		hundred	3,815	96,000	3,920	103,800
17	Pianos,*			12,127	2,723,187	11,342	2,584,169
18	Pianos, upright			302	87,250	389	106,620
19	Plows,			3,099	46,241	3,613	48,348
20	Pork, fresh (dressed),		100 pounds	25,200	151,200	18,450	147,600
21	Pork, salted		100 pounds	170,750	987,875	77,500	449,750
22	Porter,	•	barrels	7,951	42,932	6,803	36,623
23	Powder, baking .	•	100 pounds	843	12,644	992	14,290
24	Powder, washing .	: :	100 pounds	4,375	19,005	5,128	23,862
2 5	Pumps, power			476	56,524	454	45,621
			1				•
26	Rakes, hay (hand), .		dozen	4,0131/4	7,285	3,0981/5	5,214
27	Ranges,		1	17,364	260,840	18,187	269,772
28	Reeds, weaving .		dozen	1,790	14,144	1,750	13,910
29	Refrigerators,			8,600	109,000	8,275	92,500
80	Rivets,		tons	1,904	258,740	1,753	208,560
81	Rockaways,			80	39,200	67	34,846
82	Rods, steel (Bessemer)		tons	3,137	124,222	8,761%	349,039
83	Rollers, shade		gross	5,515	68,935	8,000	96,000
84	Rope, hemp		100 pounds	9,345	62,109	8,266	45,999
85	Rope, manila		100 pounds	104,853	1,197,175	109,876	1,068,653
86	Rope, Sisal		100 pounds	50,264	439,821	60,683	402,631
87	Rum,		gallons	4 32, 62 0⅓	\$54,104	576,014	680,834
88	Satinet,		100 yards	145,975	2,794,435	154,412	2,967,157
B9 :	Satteen,		100 yards	60,052	532,278	36,425	310,450
40			100 yards	5,422	247,248	5,815	256,622
41	Sausages,	• •	100 pounds	21,715	160,683	20,099	169,402
42	Schooners	• •	100 pounds	21,713	133,500	20,033	198,900
	•	• •	100 nonna-	8,126	14,570	2,493	· ·
18	Shafting,	• •	100 pounds	0,120	14,010	2,490	11,000

^{*} Not specified as to particular kind.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

•—1890, 1891—Continued.

Increase (crease (—), in 1891 as with	+), or De- in Quantity compared i 1890	Increase (Crease (), 1891 as c Wite	+), or De- in Value in ompared i 1890	AVERAGI PER I		Increas or Decrea Average Basis	SE (—), IN PRICE PER	
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent-	
+3,847	+27.81	+\$31,552	+21.80	\$10.27	89.83	-80.44	-4.28	1
+41,787	+9.15	+180,263	+10.58	2.71	2.74	+0.08	+1.11	2
,,	''''	,,	,				,	-
—500	-8.33	3,500	-8.83	7.00	7.00	1=	1	8
+38,063	+8.88	+78,437	+3.09	5.98	5.62	-0.81	-5.23	4
-2,905	-4.88	-9,654	-6.21	2.61	2.58	-0.03	-1.15	5
+5,240	+3.95	12,084	-1.68	5.43	5.14	0.29	-5.84	6
+518	+0.79	-4,045	-2.56	2.43	2.85	0.08	-8.29	7
-2,207	-4.62	-22,789	-12.67	8.76	8.44	-0.82	-8.51	8
+14,855	+39.03	+50,996	+29.22	. 4.59	4.26	-0.88	-7.19	9
+1,490	+0.49	90,960	8.77	8.41	3.11	-0.30	-8.80	10
+636	+24.95	+1,220	+16.41	2.92	2.72	-0.20	-6. 85	11
+21,820	+31.96	+98,248	+16.92	8.51	7.54	-0.97	-11.40	12
+1,380	+8.50	+1,367	+1.05	8.80	8.22	-0.08	-2.42	18
—72,835	-14.87	+29,468	+0.60	9.62	11.80	+1.68	+17.46	14
+108,698	+11.05	+572,278	+8.80	6.61	6.47	-0.14	-2.12	15
+105	+2.75	+7,800	+8.18	25.16	26.48	+1.32	+5.25	16
—785	6.47	189,018	5.10	224.56	227.84	+8.28	+1.46	17
+87	+28.81	+19,870	+22.20	288.91	274.09	-14.82	-5.13	18
+514	+16.59	+2,104	+4.55	14.92	13.38	-1.54	-10.32	19
6,750	-26.79	-8,600	-2.88	6.00	8.00	+2.00	+83.33	20
93,250	54.61	588,125	54.47	5.79	5.80	+0.01	+0.17	21
-1,148	-14.44	-6,809	-14.70	5.40	5.38	-0.02	-0.87	22
+149	+17.67	+1,646	+13.02	14.50	14.41	-0.09	0.62	23
+758	+17.21	+4,857	+25.56	4.84	4.65	+0.81	+7.14	24
22	-4.62	10,903	-19.29	118.75	100.49	-18.26	-15.88	25
915	-0.23	-2,071	28.43	1.82	1.68	-0.14	-7.69	26
+828	+4.74	+8,932	+3.42	15.02	14.83	0.19	1.26	27
-40	-2.23	234	-1.65	7.90	7.95	+0.05	+0.63	28
-825	-3.78	-16,500	-15.14	12.67	11.18	-1.49	-11.76	29
151	7.93	50,180	-19.89	135.89	118.97	16.92	12.45	80
13	16.25	-4,354	-11.11	490.00	520.09	+30.09	+6.14	31
+5,624%	+179.30	+224,817	+180.98	89.60	89.84	+0.24	+0.61	32
+2,485	+45.06	+27,065	+89.26	12.50	12.00	0.50	4.00	83
-1,079	-11.55	16,110	-25.94	6.65	5.56	1.09	-16.39	34
+5,023	+1.79	-128,522	-10.74	11.42	9.73	1.69	14.80	35
+10,419	+20.73	-87,190	-8.46	8.75	6.63	-2.12	-24.23	36
+149,3981/4	+34.53	+126,730	+22.87	1.28	1.18	-0.10	—7.81	37
+8,437	+5.78	+172,722	+6.18	19.14	19.22	+0.08	+0.42	38
-23,627	-39.84	-221,828	-41.68	8.86	8.52	0.84	-3.84	39
+393	+7.25	+9,374	+8.79	45.60	44.13	-1.47	-3.22	40
-1,616	-7.44	+8,719	+5.43	7.40	8.43	+1.03	+13.92	41
+8	+21.48	+65,400	+48.99	9,535.71	11,700.00	+2,164.29	+22.70 -5.15	42 43
633	20.25	-8,562	-24.45	4.66	4.42	-0.24	-0.15	43

¹ No change in average price.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued. COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE $\bf -1890,\ 1891$ —Continued.

	ARTICLES.				Basis	1890		1891		
						Quantity	Value	Quantity	Value	
1	Sheeting, cotton				100 pounds	50,626	\$1,828,603	52,277	\$1,289,402	
2	Sheeting, cotton			.	100 yards	279,764	1,836,867	288,246	1,801,153	
3	Shirting,			.	100 pounds	32,566	975,848	42,619	1,241,725	
4	Shirts, cotton .			.	dozen	27 3,078¾	1,810,131	305,137⅓	1,385,526	
5	Shirts, knit (infants'),		٠	dozen	17,881	94,321	19,606	106,344	
6	Shirts, woollen .			-	dosen	2,160	26,600	1,660	21,600	
7	Shoddy,			.	tons	1,787 %	568,278	1,745%	535,633	
	Shoes:			1						
8	Boys',			.]	pairs	665,827	670,812	623,958	638,555	
9	Children's, .			.]	dozen pairs	207,856%	1,444,241	195,728%	1,404,900	
10	Infants',			٠	dozen pairs	8,439 1/4	24,787	8,8431/4	24,202	
11	Men's,			.	pairs	5,393,687	8,817,878	5,424,417	8,948,528	
12	Misses',			.	pairs	1,965,210	782,385	975,318	776,445	
13	Plow (men's),			.	pairs	113,584	86,690	99,124	74,517	
14	Women's, .			.	pairs	2,597,369	2,275,002	2,345,972	2,160,165	
15	Youths'.			.	pairs	442,713	397,641	434,577	373,907	
16	Shoes, n. s.,*			. 1	pairs	11,723,904	15,198,629	12,194,979	15,806,561	
17	Shooks, box			.	M feet	3,555	52,504	4,625	72,645	
18	Skates, ice			.	dozen pairs	24,2241/	149,500	30,272%	191,929	
19	Skirting,			١.	100 pounds	1,696	37,897	1,886	41,125	
	Slippers:			١	-					
20	Children's, .			.	dozen pairs	8,300	21,780	8,750	22,500	
21	Men's			.	dozen pairs	19,707	214,854	20,882	220,075	
22	Women's, .			.	dozen pairs	49,726	321,918	42,6901/2	288,417	
23	Slippers, n. s.,*			.	dozen pairs	133,266 1/2	1,261,112	132,153 1/2	1,258,671	
24	Soap,*				100 pounds	411,435	1,809,663	860,769	1,581,438	
25	Soap, fulling .			.	100 pounds	36,380	167,178	40,146	180,396	
26	Soap, soft			.	barrels	15,381	43,157	15,324	43,208	
27	Soles,			.	100 pairs	167,814	1,632,436	167,211	1,548,007	
28	Spice, ground .			.	100 pounds	14,508	218,514	18,644	194,800	
29	Straw-board, .			.	100 pounds	4,041	8,8 30	6,550	12,012	
30	Stiffenings, .			.	100 pairs	14,440	87,767	9,810	83,685	
31	Stoves, parlor .			.		9,030	80,260	9,505	89,151	
32	Suitings, woollen			.	yards	351,666	590,774	370,015	580,666	
33	Suitings, worsted			.	yards	1,240,727	1,559,293	1,156,546	1,877,834	
34	Suspenders, .			.	dozen	572,539	1,040,319	500,283	993,190	
35	Tack-plate, .			.	tons	4,373	121,440	2,976	66,498	
36	Tacks,*			.	100 pounds	13,490	106,155	11,829	84,809	
37	Tacks, iron .			.	100 pounds	2,992	21,692	2,965	21,496	
38	Tacks, shoe			.	100 pounds	1,482	18,087	1,604	19,505	
39	Tallow, rendered			.	100 pounds	103,863	475,364	88,691	421,904	
40	Tents,			.		108	2,220	122	2,325	
41	Thread,*			.	100 pounds	625	60,000	546	50,000	
	· ·			- 1	100 pounds	7,909	530,155	7,249	485,682	

^{*} Not specified as to particular kind.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE
— 1890, 1891—Continued.

INCREASE (), IN 1891 AS WITH	+), OR DE- IN QUANTITY COMPARED 1 1890	1991 V8 C	+), or De- in Value in compared 1890	Average Value per Basis		Increase (+), or Decrease (-), in Average Price per Basis in 1891		
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	L
+1,651	+3.26	-\$39,201	-2.95	\$26.24	\$24.66	-\$1.58	-6.02	1
+8,482	+3.03	-35,214	-1.92	6.56	6.25	-0.31	-4.73	2
+10,053	+30.87	+266,377	+27.81	29.95	29.14	-0.81	-2.70	3
+32,059	+11.74	+75,395	+5.75	4.80	4.54	-0.26	-5.42	4
+1,725	+9.65	+12,023	+12.75	5.27	5.42	+0.15	+2.85	5
500	-23.15	5,000	-18.80	12.31	13.01	+0.70	+5.69	6
-42	-2.35	-32,645	-5.74	317.92	806.87	-11.05	-3.4 8	7
-41,869	-6.29	32,257	-4.81	1.01	1.02	+0.01	+0.99	8
12,1281/4	5.83	3 9,341	-2.72	6.95	7.18	+0.23	+3.31	9
961/4	-1.14	585	-2.36	2.94	2.90	-0.04	-1.86	10
+30,730	+0.57	+131,150	+1.49	1.63	1.65	+0.02	+1.23	11
89,892	-8.44	5,940	-0.76	0.78	0.80	+0.07	+9.59	12
14,460	-12.73	12,173	-14.04	0.76	0.75	-0.01	-1.32	13
-251,397	-9.68	-114,837	—5;05	0.88	0.92	+0.04	+4.55	14
-8,136	-1.84	-23,784	-5.97	0.90	0.86	-0.04	-4.44	15
+471,075	+4.02	+607,982	+4.00	1.30	1.30	1=	1=	16
+1,070	+30.10	+20,141	+38.36	14.77	15.71	+0.94	+6.36	17
+6,048⅓	+21.97	+42,429	+28.38	6.17	6.34	+0.17	+2.76	18
-310	-18.28	+3,228	+8.52	22.34	29.67	+7.83	+32.81	19
+450	+13.64	+720	+3.31	6.60	6.00	-0.60	-9.09	20
+625	+3.17	+5,221	+2.43	10.90	10.82	-0.08	-0.73	21
7,035 ⅓	-14.15	33,501	-10.41	6.47	6.76	+0.29	+4.48	22
-1,1132	0.84	-2,441	-0.19	9.46	9.52	+0.06	+0.63	23
-50,666	-12.31	-228,225	-12.61	4.40	4.38	-0.02	0.45	24
+8,766	+10.35	+13,218	+7.91	4.60	4.49	-0.11	-2.39	25
-57	-0.37	+51	+0.12	2.81	2.82	+0.01	+0.36	26
103	-0.06	-84,429	-5.17	9.76	9.26	-0.50	5.12	27
8 64	-5.96	-23,714	10.85	15.06	14.28	-0.78	-5.18	28
+2,509	, +62.09	+3,682	+44.20	2.06	1.83	-0.23	-11.17	29
-4,6 30	-32.06	-4,082	-10.81	2.62	8.43	+0.81	+30.92	80
+475	+5.26	+8,891	+11.08	8.89	9.38	+0.49	+5.51	31
+18,849	+5.22	10,108	-1.71	1.68 1.26	1.57	-0.11 -0.07	6.55 5.56	32 33
-84,181	-6.78	—181,459 47,100	11.64	1.82	1.19	+0.17	-5.50 +9.34	34
—72,256	-12.62	-47,129	-4.53	1.02	1.99	70.11	78.04	34
-1,897	-31.95	-54,942	-45.24	27.77	22.34	-5.43	-19.55	35
-1,661	-12.31	-21,346	-20.11	7.87	7.17	-0.70	-8.89	36
27	-0.90	196	-0.90	7.25	7.25	1=	1_	37
+122	+8.23	+1,418	+7.84	12.20	12.16	-0.04	0.33	38
-15,172	-14.61	53,460	11.25	4.58	4.76	+0.18	+3-93	39
+14	+12.96	+105	+4.73	20.56	19.06	-1.50	—7.3 0	40
79	-12.64	-10,000	-16.67	96.00	91.58	-4.42	-4.60	41
660	-8.34	-44,473	-8.89	67.03	67.00	-0.03	-0.04	42

¹ No change in average price.

² One-twelfth.

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

	Articles.	Basis	1890		1891		
				Quantity	Value	Quantity	Value
1	Thread, rubber		100 pounds	2,223	\$273,34 8	4,086	\$693,41 0
2	Ticking,		100 yards	119,322	770,000	125,051	798,012
8	Ticking,		100 pounds	15,324	419,156	15,349	419,310
4	Ties, Oxford (children's),		pairs	8,500	6,587	2,880	2,232
5	Ties, Oxford (misses'), .	•	pairs	5,400	5,165	5,040	4,788
6	Ties, Oxford (women's), .	•	pairs	94,270	121,383	72,716	102,629
7	Tips, boot and shoe	•	100 pairs	66,313	158,038	55,277	131,767
8	Tomatoes, canned	•	dozen	14,217	16,099	26,195	28,154
9	Twill, cotton Twine:	•	100 yards	106,085	842,055	119,962	947,626
10	Cotton,	•	100 pounds	20,042	284,222	26,942	343,636
11	Flax,	•	100 pounds	2,784	80,780	2,754	73,667
12	Hemp,	•	100 pounds	857	9,644	243	5,832
13	Linen,	•	100 pounds	35	4,550	88	4,125
14	Tow,	•	100 pounds	4,628	73,151	7,375	119,438
15	Wool,	•	100 pounds	2,841	14,207	5,500	27,501
16	Twist, machine	•	100 pounds	756	562,215	902	603,481
17	Ulsters,			4,500	42,000	6,000	57,000
18	Umbrellas,	•		12,359	19,358	13,080	19,075
19	Vests,		l	185,899	189,986	127,629	184,949
20	Vinegar,	•	100 gallons	1,049	9,720	1,107	10,200
	Wagons:						•
21	Bakera',	٠	• •	18	4,680	22	5,720
22	Beach,	•		20	7,000	26	9,495
23	Delivery,	٠	• •	26	4,650	10	1,550
24	Democrat,	•	• •	168	11,451	221	15,952
25	Express,	•	• •	70	15,915	82	17,498
26	Milk,	•	• •	44	11,440	50	13,000
27	Refrigerator,	•		27	6,425	81	5,875
28	Warp, cotton	•	100 pounds	88,179	843,143	83,025	804,156
29	Washtubs,	•	hundred	2,587	108,641	2,896	102,148
80	Waste, cotton Web:	•	100 pounds	171,785	789,767	221,273	952,558
31	Garter,	•	gross	16,917	63,001	21,721	65,168
32	Goring (elastic), .	٠	100 yards	87,266	893,487	36,858	898,559
33	Loom,	•	gross	34,233	128,732	27,156	108,361
84	Truss,	•	100 yards	1,437	15,368	1,201	12,756
35	Weights, sash	٠	100 pounds	52,840	52,840	56,420	56,490
36	Wheels, carriage	٠	sets	2,650	27,450	2,275	23,625
37	Wheels, wagon	•	sets	1,425	17,250	1,625	20,250
38	Whip lashes,	٠	dozen	11,750	16,700	15,850	16,400

GOODS MADE: BY INDUSTRIES AND TOWNS—Continued.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Continued.

Increase (+), or Decrease (-), in Quantity in 1891 as compared with 1890		CREASE (), 1891 AS C WITH	+), or De- in Value in ompared i 1890	Average Value per Basis		Increase (+), or Decrease (-), in Average Price per Basis in 1891		
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
+1,863	+83.81	+\$420,062	+153.67	\$122.96	\$169.7 0	+\$46.74	+38.01	1
+5,729	+4.80	+28,012	+3.64	6.45	6.38	-0.07	-1.09	2
+25	+0.16	+154	+0.04	27.35	27.32	-0.03	-0.11	3
5,620	66.12	-4,855	-66.12	0.77	0.78	+0.01	+1.30	4
360	-6.67	-377	-7.80	0.96	0.95	-0.01	-1.04	5
-21,554	-22.86	-18,754	-15.45	1.29	1.41	+0.12	+9.30	6
-11,036	-16.64	-26,271	-16.62	2.38	2.38	1==	1=	7
+11,978	+84.25	+12,055	+74.88	1.13	1.07	0.06	-5.31	8
+13,877	+13.06	+105,571	+12.54	7.94	7.90	-0.04	-0.50	9
+6,900	+34.43	+59,414	+20.90	14.18	12.75	-1.43	-10.08	10
30	-1.08	—7,113	-8.81	29.02	26.75	-2.27	—7.8 2	11
114	-31.93	-3,812	-39.53	27.01	24.00	-3.01	-11.14	12
-2	-5.71	-425	-9.34	130.00	125.00	-5.00	-3.85	13
+2,747	+59.36	+46,287	+63.28	15.81	16.19	+0.38	+2.40	14
+2,659	+93.59	+13,294	+93.57	5.00	5.00	1==	1==	15
+146	+19.31	+41,266	+7.34	743.67	669.05	-74.62	10.03	16
+1,500	+33.33	+15,000	+35.71	9.33	9.50	+0.17	+1.82	17
+721	+5.83	-283	1.46	1.57	1.46	-0.11	-7.01	18
	·							
. —8,270	6.09	-5,038	-2.65	1.40	1.45	+0.05	+3.57	19
+58	+5.53	+480	+4.94	9.27	9.21	-0.06	-0.65	20
		,	•	,				
+4	+22.22	+1,040	+22.22	260.00	260.00	1=	1==	21
+6	+30.00	+2,495	+35.67	350.00	365.19	+15.19	+4.34	22
-16	-61.54	-3,100	-66.67	178.85	155.00	-23.85	-13.33	23
+53	+31.55	+4,501	+39.31	68.16	72.18	+4.02	+5.90	24
+12	+17.14	+1,583	+9.95	227.36	213.39	-13.97	-6.14	25
+6	+13.64	+1,560	+13.64	260.00	260.00	1	1=	26
+4	+14.81	550	-8.56	237.96	189.52	-48.44	-20.36	27
154	0.46	-38,987	-4.62	25.41	24.35	-1.06	-4.17	28
191	—7.3 8	6,49 3	5.98	41.99	42.63	+0.64	+1.52	29
+49,488	+28.81	+162,791	+20.61	4.60	4.30	-0.30	-6.52	30
+4,804	+28.40	+2,162	+3.43	8.72	8.00	-0.72	-19.35	31
-408	-1.09	+5,072	+0.57	23.98	24.38	+0.40	+1.67	32
-7,077	20.67	-20,371	-15.82	8.76	3.99	+0.23	+6.12	33
-236	-16.42	-2,612	-17.00	10.69	10.62	-0.07	-0.65	34
+3,580	+6.78	+3,650	+6.91	1.00	1.00	1	1=	35
375	14 15	-3,825	-13.93	10.36	10.38	+0.02	+0.19	36
+200	+14.04	+3,000	+17.39	12.11	12.46	+0.35	+2.89	37
+3,600	+30.64	-300	-1.80	1.42	1.07	-0.35	-24.65	38

¹ No change in average price.

GOODS MADE: BY INDUSTRIES AND TOWNS—Concluded. COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE —1890, 1891—Concluded.

	Arti	CLES	,			Basis	1890		18	91
							Quantity	Value	Quantity	Value
1	Whips, .					dozen	186,132	\$616,196	257,600	\$692,250
2	Wire, iron .	•	•	•	•	100 pounds	60,840	339,742	69,980	336,197
	Yarn:			•						
3	Carpet,					100 pounds	3,789	111,658	4,695	148,299
4	Carpet (wo	rste	d),			100 pounds	25,322	1,007,416	26,602	1,193,994
5	Cotton,	•				100 pounds	259,884	6,331,712	294,865	7,146,360
6	Hosiery,					100 pounds	86,732	762,978	48,985	990,883
7	Tow, .					100 pounds	12,881	199,668	14,580	225,997
8	Woollen,					100 pounds	7,636	338,840	12,854	451,769
9	Worsted,					100 pounds	56,993	3,641,099	68,727	4,381,944

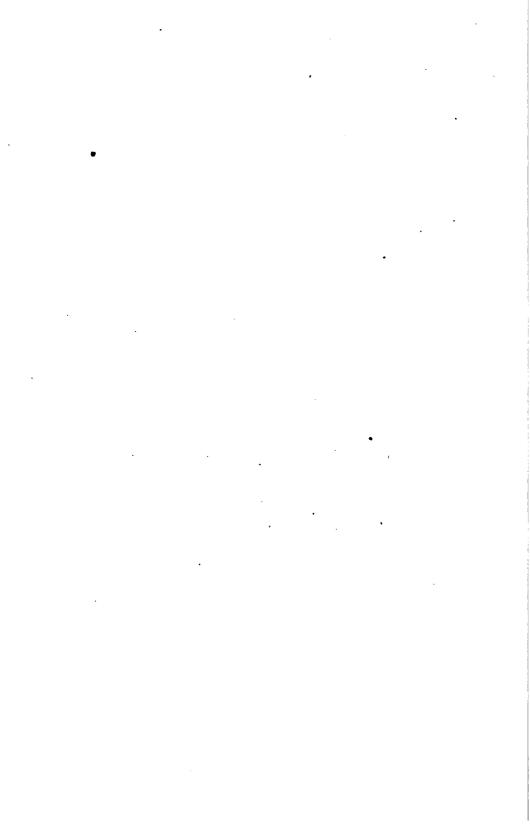
GOODS MADE: BY INDUSTRIES AND TOWNS—Concluded.

COMPARISON OF QUANTITIES AND VALUES OF GOODS MADE

— 1890, 1891—Concluded.

INCREASE (+), OR DE- CREASE (-), IN QUANTITY IN 1891 AS COMPARED WITH 1890		1891 AS C	+), or De- in Value in ompared i 1890	Average Pen B		Increa or Decrea Average Basis		
Quantity	Percentages	Amounts	Percentages	1890	1891	Amounts	Percent- ages	
+71,468	+38.40	+\$76,054	+12.34	\$3.31	\$2.69	-\$0.62	-18.73	1
+9,140	+15.02	-3,545	1.04	5.58	4.80	-0.78	13.98	2
+906	+23.91	+36,646	+32.82	29.47	31.59	+2.12	+7.19	3
+1,280	+5.05	+186,578	+18.52	39.78	44.88	+5.10	+12.82	4
+34,981	+13.46	+814,648	+12.87	24.86	24.24	-0.12	-0.49	5
+12,253	+33.36	+227,910	+29.87	20.77	20.23	-0.54	-2.60	6
+1,699	+13.19	+26,834	+18.19	15.50	15.50	1=	1=	7
+5,218	+68_33	+117,929	+35.83	43.72	35.15	-8.57	-19.60	8
+11,734	+20.59	+740,845	+20.85	63.89	63.76	-0.13	0.20	9

¹ No change in average price.





[In this table, by the terms "Periods of employment of smallest number" and "Periods of employment of greatest number" are meant those times, as regards aggregate number of persons employed, when the smallest or greatest number, respectively, was employed.]

AGGREGATES - 1890.

Industries.	Number of Estab- lishments Con- sidered	Aggregate Average Number of Persons Employed	PERSONS 1	ATES OF EMPLOYED IODS OF ENT OF— Greatest Number	Excess of Greatest over Smallest Number
Agricultural implements,	11	691	636	753	117
Arms and ammunition,	12	1,852	1,727	1,987	260
Artisans' tools,	56	1,676	1,520	1,821	301
Awnings, sails, tents, etc.,	80	155	103	224	121
Boots and shoes,	567	44,068	85,314	51,234	15,920
Boxes (paper and wooden),	141	3,228	2,815	3,677	862
Brick, tiles, and sewer pipe,	45	1,170	570	1,947	1,377
Brooms, brushes, and mops,	21	762	707	824	117
Burial cases, caskets, coffins, etc.,	6	209	204	215	11
Buttons and dress trimmings,	17	1,070	867	1,332	465
Carpetings,	12	4,635	4,426	4,780	354
Carriages and wagons,	96	2,244	1,867	2,672	805
Cement, kaolin, lime, and plaster,	4	68	53	87	34
Chemical preparations (compounded), .	9	267	256	282	26
Clocks, watches, and jewelry,	77	8,422	2,792	3,834	1,042
Clothing,	113	8,178	6,732	9,404	2,672
Cooking, lighting, and heating apparatus,	31	2,094	1,624	2,318	694
Cordage and twine,	25	8,260	2,719	8,889	1,170
Corks, bungs, and taps,	4	45	89	49	10
Cotton goods,	157	70,596	67,862	73,323	5,461
Cotton, woollen, and other textiles, .	8	2,134	1,941	2,253	812
Crayons, pencils, crucibles, etc.,	4	49	48	50	2
Drugs and medicines,	19	377	322	430	108
Dyestuffs,	7	217	194	229	85
Earthen, plaster, and stone ware,	4	222	203	234	31
Electrical apparatus and appliances, .	5	2,595	2,374	2,916	542
Electroplating,	10	77	68	89	21
Emery and sand paper and cloth, etc., .	13	280	234	822	88
Fancy articles,	6	244	215	281	66
Fertilizers,	7	62	50	101	51
Fine arts and taxidermy,	2	7	5	8	3

PERSONS EMPLOYED: BY INDUSTRIES - Continued. SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AGGREGATES — 1890 — Concluded.

Industries.	Number of Estab- lishments	Aggregate Average Number of	AGGREG PERSONS AT PER EMPLOYM	Excess of Greatest over	
	Con- sidered	Persons Employed	Smallest Number	Greatest Number	Smallest Number
Fireworks and matches,	8	52	23	81	58
Flax, hemp, jute, and linen goods,	8	1,875	1,644	2,054	410
Food preparations,	264	6,434	4,717	8,401	8,684
Furniture,	120	4,871	4,328	5,413	1,085
Glass,	10	458	364	495	131
Glue, isinglass, and starch,	14	386	815	581	266
Hair work (animal and human),	10	213	185	251	66
Hose: rubber, linen, etc.,	5	175	141	210	69
Hosiery and knit goods,	40	4,077	3,308	5,051	1,743
Ink, mucilage, and paste,	8	115	112	118	6
Ivory, bone, shell, and horn goods, etc., .	18	461	413	535	122
Leather	154	6,137	4,493	7,421	2,928
Liquors and beverages (not spirituous), .	12	115	90	158	68
Liquors: malt, distilled, and fermented, .	49	928	851	1,087	236
Lumber	25	751	598	875	277
Machines and machinery.	263	15,709	13,833	17,743	3,910
Metals and metallic goods,	277	17,096	15,268	18,718	8,450
Mixed textiles	13	833	758	930	172
Models and patterns,	5	41	. 36	48	12
Musical instruments and materials,	46	2,889	2,674	3,096	422
Oils and illuminating fluids,	9	173	131	222	91
Paints, colors, and crude chemicals,	16	242	219	264	45
Paper and paper goods,	102	9.574	8,958	10,162	1,204
Perfumes, toilet articles, etc.,	4	85	84	37	3
Photographs and photographic materials,	11	152	131	165	84
Polishes and dressing,	18	229	185	258	73
Printing, publishing, and bookbinding,	24	1,755	1,596	1,948	352
Print works, dye works, and bleacheries,	87	5,521	5,054	5,944	890
Railroad construction and equipment,	14	2,751	2,401	3,055	654
Rubber and elastic goods,	30	7,615	6,297	8,817	2,520
Scientific instruments and appliances,	11	893	817	967	150
Shipbuilding,	42	680	438	994	556
Cittle and although	9	2,268	1,986	2,504	518
Sporting and athletic goods,	9	323	250	404	154
Stone,	111	8,434	2,468	4,252	1,784
0	17	2,073	567	8,451	2,884
	55	688	605	774	169
Tailow, candles, soap, and grease,	85	1,275	985	1.571	586
m 1	80 8	457	831	577	246
Trunks and valises,	7	107	71	123	52
	15	418	380	459	79
••• ·	149	2,888	2,166	3,296	1,130
	138	16,816	2,100 15,054	18,426	8,372
Woollen goods,	138 21	7,963	7,345	8,787	1,442
Worsted goods,			1,020		
All Industries,	8,745	287,900	251,107	322,288	71,181

[In this table, by the terms "Periods of employment of smallest number" and "Periods of employment of greatest number" are meant those times, as regards aggregate number of persons employed, when the smallest or greatest number, respectively, was employed.]

AGGREGATES - 1891.

Industries	Number of Estab- lishments Con- sidered	Aggregate Average Number of Persons Employed	AGGREGATES OF PERSONS EMPLOYED AT PERIODS OF EMPLOYMENT OF Smallest Greatest Number Number		Excess of Greatest over Smallest Number
Agricultural implements	11	677	591	742	151
Arms and ammunition.	12	2,096	1,864	2,283	419
Artisans' tools.	56	1,685	1,514	1,807	293
Awnings, sails, tents, etc.,	80	149	104	233	129
Boots and shoes.	567	43,343	36,201	51,550	15,349
Boxes (paper and wooden),	141	8,170	2,712	8,667	955
Brick, tiles, and sewer pipe,	45	1,214	547	2,015	1.468
Brooms, brushes, and mops,	21	790	734	850	116
Burial cases, caskets, coffins, etc.,	6	222	216	224	8
Buttons and dress trimmings	17	1,197	1,007	1,398	891
Carpetings	12	4,672	4,345	4,865	520
Carriages and wagons	96	2,299	1,760	2,878	1,118
Cement, kaolin, lime, and plaster,	4	. 58	46	83	. 37
Chemical preparations (compounded), .	9	279	251	305	54
Clocks, watches, and jewelry	77	8,394	2,867	3,912	1,045
Clothing	118	8,097	6,651	9,454	2,803
Cooking, lighting, and heating apparatus.	31	2,227	1,760	2,529	769
Cordage and twine	25	8,595	2,854	4,316	1,462
Corks, bungs, and taps,	4	42	36	50	14
Cotton goods	157	71,960	69,189	75,003	5,814
Cotton, woollen, and other textiles.	8	2,299	2,165	2,412	247
Crayons, pencils, crucibles, etc.,	4	43	38	46	8
Drugs and medicines,	19	432	338	513	175
Dvestuffs	7	218	187	240	53
Earthen, plaster, and stone ware,	4	216	121	269	148
Electrical apparatus and appliances, .	5	2,660	2,197	3,249	1,052
Electroplating,	10	79	68	91	23
Emery and sand paper and cloth, etc., .	13	836	285	879	94
Fancy articles,	6	219	203	248	45
Fertilizers,	7	53	40	95	55
Fine arts and taxidermy,	2	7	4	11	7

PERSONS EMPLOYED: BY INDUSTRIES - Continued. SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AGGREGATES - 1891 - Concluded.

Industries.	Number of Estab- lishments	Aggregate Average Number of	PERSONS .	ATES OF EMPLOYED IODS OF ENT OF—	Excess of Greatest over
	Con- sidered	Persons Employed	Smallest Number	Greatest Number	Smallest Number
Fireworks and matches,	8	71	46	93	47
Flax, hemp, jute, and linen goods,	8	1,897	1,848	1,953	110
Food preparations,	264	7,082	5,524	9,168	3,644
Furniture,	120	4,994	4,508	5,452	944
Glass.	10	488	463	587	74
Glue, isinglass, and starch,	14	899	882	585	153
Hair work (animal and human),	10	205	181	221	40
Hose: rubber, linen, etc.,	-5	238	198	276	78
Hoslery and knit goods,	40	5,130	4,276	5,769	1,493
Ink, mucilage, and paste,	8	115	113	119	6
Ivory, bone, shell, and horn goods, etc., .	18	504	• 419	563	144
Leather	154	5,512	4,401	6,768	2,367
Liquors and beverages (not spirituous), .	12	126	96	167	71
Liquors: malt, distilled, and fermented,	49	1.009	893	1.194	801
Lumber	25	758	546	969	428
Machines and machinery,	263	16,120	14,101	18.033	3,932
Metals and metallic goods,	277	17,873	15,461	19.398	8,937
Mixed textiles	18	797	748	905	157
Models and patterns,	5	42	86	47	11
Musical instruments and materials,	- 46	2.692	2,544	2,898	854
Oils and illuminating fluids,	9	181	141	244	103
Paints, colors, and crude chemicals,	16	240	203	257	54
Paper and paper goods,	102	9,873	9,818	10,528	1,215
Perfumes, toilet articles, etc.,	4	36	83	40	7,210
Photographs and photographic materials,	111	141	119	155	86
Polishes and dressing.	18	218	182	260	78
	24	1,796	1,605	2,005	400
Printing, publishing, and bookbinding,	87	5,240	5,243	6,071	828
Print works, dye works, and bleacheries,					800
Railroad construction and equipment,	14 80	2,709 7,857	2,821 7,269	3,121	1,787
Rubber and elastic goods,	11	991	928	9,056	1,787
Scientific instruments and appliances, .			925 883	1,068	689
Shipbuilding,	42	679		1,072	253
Silk and silk goods,	9	2,282	2,079	2,832	
Sporting and athletic goods,	9	867	259	497	238
Stone,	111	8,435	2,828	4,443	2,115
Straw and palm leaf goods,	17	2,094	464	8,506	3,042
Tallow, candles, soap, and grease,	55	635	609	640	81
Tobacco, snuff, and cigars,	85	1,388	1,114	1,639	825
Toys and games (children's),	8	498	820	663	843
Trunks and valises,	7	111	76	126	50
Whips, lashes, and stocks,	16	419	881	457	76
Wooden goods,	149	8,012	2,841	8,391	1,050
Woollen goods,	138	17,479	16,007	18,821	2,814
Worsted goods,	21	7,965	7,879	8,460	1,081
ALL INDUSTRIES,	8,745	292,866	258,771	829,684	70,863

[In this table, averages for each establishment are given. These have been arrived at by dividing the aggregates given in the table on pages 90 and 91 by the number of establishments.]

AVERAGES - 1890.

	, 1	AVERAGES				
	Number of Estab-	Number of Persons Employed in each Establishment				
Industries. 6	lishments Con- sidered	Average Number	Smallest Number	Greatest Number	Excess of Greatest over Smallest Number	
Agricultural implements,	11	63	58	68	10	
Arms and ammunition,	12	154	144	166	22	
Artisans' tools,	56	80	27	83	6	
Awnings, sails, tents, etc.,	30	5	3	7	4	
Boots and shoes,	567	78	62	90	28	
Boxes (paper and wooden),	141	28	20	26	6	
Brick, tiles, and sewer pipe,	45	26	18	43	80	
Brooms, brushes, and mops,	21	86	84	89	5	
Burial cases, caskets, coffins, etc.,	6	85	84	36	2	
Buttons and dress trimmings	17	63	51	78	27	
Carpetings,	12	886	369	898	29	
Carriages and wagons,	96	23	19	28	9	
Cement, kaolin, lime, and plaster,	4	17	13	22	9	
Chemical preparations (compounded), .	9	-80	28	31	8	
Clocks, watches, and jewelry,	77	44	86	50	14	
Clothing,	113	72	60	88	23	
Cooking, lighting, and heating apparatus,	81	68	52	75	23	
Cordage and twine,	25	180	109	156	47	
Corks, bungs, and taps,	4	11	10	12	2	
Cotton goods,	157	450	432	467	85	
Cotton, woollen, and other textiles, .	8	711	647	751	104	
Crayons, pencils, crucibles, etc.,	4	12	12	18	1	
Drugs and medicines,	19	20	17	23	6	
Dyestuffs,	7	31	28	33	5	
Earthen, plaster, and stone ware,	4	56	51	59	8	
Electrical apparatus and appliances, .	5	519	475	583	108	
Electroplating,	10	8	7	9	2	
Emery and sand paper and cloth, etc., .	13	22	18	25	7	
Fancy articles,	6	41	36	47	11	
Fertilizers,	7	9	7	14	7	
Fine arts and taxidermy,	2	4	8	4	1	
Fireworks and matches,	8	17	8	27	19	

PERSONS EMPLOYED: BY INDUSTRIES - Continued. SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AVERAGES—1890—Concluded.

			AVE	RAGES	
	Number of Estab-	NUMBER OF PERSONS EMPLOYED IN RACH ESTABLISHMENT			
Industries.	lishments Con- sidered	Average Number	Smallest Number	Greatest Number	Excess of Greatest over Smallest Number
Flax, hemp, jute, and linen goods,	8	284	206	257	51
Food preparations,	264	24	18	82	14
Furniture,	120	41	36	45	9
Glass,	10	46	36	50	14
Glue, isinglass, and starch,	14	28	23	42	19
Hair work (animal and human),	10	21	19	25	6
Hose: rubber, linen, etc.,	5	35	28	42	14
Hosiery and knit goods,	40	102	83	126	43
Ink, mucilage, and paste,	8	14	14	15	1
Ivory, bone, shell, and horn goods, etc., .	18	85	82	41	9
Leather,	154	40	29	48	19
Liquors and beverages (not spirituous), .	12	10	8	18	5
Liquors: malt, distilled, and fermented, .	49	19	17	22	5
Lumber	25	80	24	85	11
Machines and machinery,	268	60	53	67	14
Metals and metallic goods.	277	62	55	68	18
Mixed textiles,	18	64	58	72	14
Models and patterns,	5	8	7	10	8
Martin Markey and and an Assista	46	63	58	67	9
Oils and illuminating fluids,	9	19	15	25	10
The same of the sa	16	15	14	17	3
Donor and account and to	102	94	88	100	12
Dandania a Antha andala a	4	9	9	9	12
Photographs and photographic materials,	11	14	12	15	8
Polishes and dressing,	18	13	10	14	4
5	24	73	67	81	14
· · · · · · · · · · · · · · · · · · ·	87	149	187	161	24
Print works, dye works, and bleacheries,	14	197	172	218	46
Railroad construction and equipment,	80	254	210	294	84
Rubber and elastic goods,	11	81	74	88	14
Scientific instruments and appliances, .	42	16	10	24	14
Shipbuilding,	9	252	221	278	57
Silk and silk goods,	9	36	28	45	17
Sporting and athletic goods,	- 1	81	20	38	16
Stone,	111	122	33	203	170
Straw and palm leaf goods,	17				
Tallow, candles, soap, and grease,	55	18	11	14	8 17
Tobacco, snuff, and cigars,	85	86	28	45	
Toys and games (children's),	8	57	41	72	81
Trunks and valises,	7	15	10	18	8
Whips, lashes, and stocks,	15	28	25	81	6
Wooden goods,	149	19	15	22	7
Woollen goods,	138	122	109	134	25
Worsted goods,	21	879	850	418	68
ALL INDUSTRIES,	8,745	77	67	86	19

[In this table, averages for each establishment are given. These have been arrived at by dividing the aggregates given in the table on pages 92 and 93 by the number of establishments.]

AVERAGES - 1891.

		AVERAGES				
	Number of Estab-	Number of Persons Employed in each Establishment				
Industries.	lishments Con- sidered	Average Number	8mallest Number	Greatest Number	Excess of Greatest over Smallest Number	
Agricultural implements,	11	62	54	67	13	
Arms and ammunition,	12	175	155	190	85	
Artisans' tools,	56	80	27	82	5	
Awnings, sails, tents, etc.,	80	5	8	8	5	
Boots and shoes,	567	76	64	91	27	
Boxes (paper and wooden),	141	22	19	26	7	
Brick, tiles, and sewer pipe,	45	27	12	45	88	
Brooms, brushes, and mops,	21	88	85	40	5	
Burial cases, caskets, coffins, etc.,	6	87	86	87	1	
Buttons and dress trimmings,	17	70	59	82	23	
Carpetings,	12`	889	862	405	43	
Carriages and wagons,	96	24	18	80	12	
Cement, kaolin, lime, and plaster,	4	15	12	21	9	
Chemical preparations (compounded), .	9	81	28	84	6	
Clocks, watches, and jewelry,	77	44	87	51	14	
Clothing,	118	72	59	94	85	
Cooking, lighting, and heating apparatus,	81	72	57	82	25	
Cordage and twine,	25	144	114	178	59	
Corks, bungs, and taps,	4	11	9	18	4	
Cotton goods,	157	458	441	478	87	
Cotton, woollen, and other textiles, .	8	766	722	804	82	
Crayons, pencils, crucibles, etc.,	4	11	10	12	2	
Drugs and medicines,	19	28	18	27	9	
Dyestuffs	7	31	27	84	7	
Earthen, plaster, and stone ware,	4	54	80	67	87	
Electrical apparatus and appliances, .	5	532	439	650	211	
Electroplating	10	8	7	9	2	
Emery and sand paper and cloth, etc., .	13	26	22	29	7	
Fancy articles,	6	87	84 '	41	7	
Fertilizers,	7	8	6	14	8	
Fine arts and taxidermy,	2	4	2	6	4	
Fireworks and matches,	8	24	15	81	16	

PERSONS EMPLOYED: BY INDUSTRIES—Continued. SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AVERAGES—1891—Concluded.

EMPLOYED. A	_	,	- 1881 -				
			AVERAGES				
		Number of Estab-	Number		S EMPLOYE	D IN EACH	
Industries.		lishments Con- sidered	Average Number	8mallest Number	Greatest Number	Excess of Greatest over Smallest Number	
Flax, hemp, jute, and linen goods, .		8	237	230	244	14	
Food preparations,		264	27	21	35	14	
Furniture,		120	42	88	45	7	
Glass,		10	49	46	54	8	
Glue, isinglass, and starch,		14	29	27	38	11	
Hair work (animal and human),		10	21	18	22	4	
Hose: rubber, linen, etc.,		5	47	40	55	15	
Hosiery and knit goods,		40	128	107	144	37	
Ink, mucilage, and paste,	Ĭ.	8	14	14	15	1	
Ivory, bone, shell, and horn goods, etc.	•	13	89	32	43	11	
Leather,	, .	154	36	29	44	15	
Liquors and beverages (not spirituous)	. •	12	11	8	14	6	
Liquors: malt, distilled, and fermented		49	21	18	24	6	
	٠, .	25	80	22	39	17	
•	•	!	61	. 54	69	1	
Machines and machinery,	•	263	1	56	70	15	
Metals and metallic goods,	•	277	63		1	14	
Mixed textiles,	•	13	61	58	70	12	
Models and patterns,	•	5	8	7	9	2	
Musical instruments and materials,	٠	46	59	55	63	8	
Oils and illuminating fluids,	•	9	20	16	27	11	
Paints, colors, and crude chemicals,	•	16	15	18	16	8	
Paper and paper goods,	٠	102	97	91	103	12	
Perfumes, toilet articles, etc.,	•	4	9	8	10	2	
Photographs and photographic materia	ls,	11	13	11	14	8	
Polishes and dressing,	•	18	12	10	14	4	
Printing, publishing, and bookbinding,		24	75	67	84	17	
Print works, dye works, and bleacherie	e,	37	142	142	164	22	
Railroad construction and equipment,		14	194	166	223	57	
Rubber and elastic goods,		30	262	242	302	60	
Scientific instruments and appliances,	.	11	90	84	97	13	
Shipbuilding,	.	42	16	9	26	17	
Silk and silk goods,	٠,	9	248	231	259	28	
Sporting and athletic goods,	.	9	41	29	55	26	
Stone,		111	81	21	40	19	
Straw and palm leaf goods,	.	17	123	27	206	179	
Tallow, candles, soap, and grease, .	.	55	12	11	12	1.	
Tobacco, snuff, and cigars,	.	35	40	32	47	15	
Toys and games (children's),	.	8	62	40	83	43	
Trunks and valises,	.	7	16	11	28	7	
Whips, lashes, and stocks,	.	15	28	25	30	5 .	
Wooden goods,		149	20	16	23	7	
Woollen goods,		138	127	116	136	20	
Worsted goods,	.	21	379	851	403	52	
ALL INDUSTRIES,		3,745	78	69	88	19	
	.	0,,10		•••	~	40	

COMPARISON OF RANGE OF EMPLOY-MENT: BY INDUSTRIES.

1890, 1891.

[In this presentation, the excess of greatest over smallest number of persons employed for 1890 and 1891 is brought forward from the tables on pages 90 to 93, inclusive, and a comparison is made between the two years. The relative increase or decrease in the excess of greatest number over smallest number of persons employed in 1891 as compared with 1890 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments	OVER SI NUMBER O	GREATEST EALLEST F PERSONS OYED	Increase (+), or Dechease (-), in 1891	
	Con- sidered	1890	1891	Number	Percent- ages
Agricultural implements,	11	117	151	+34	+29.06
Arms and ammunition,	12	260	419	+159	+61.15
Artisans' tools,	56	301	293	s	-2.66
Awnings, sails, tents, etc.,	80	121	129	+8	+6.61
Boots and shoes,	567	15,920	15,349	-571	-3.59
Boxes (paper and wooden),	141	862	955	+93	+10.79
Brick, tiles, and sewer pipe,	45	1,877	1,468	+91	+6.61
Brooms, brushes, and mops,	21	117	116	_1	-0.85
Burial cases, caskets, coffins, etc.,	6	11	8	-3	-27.27
Buttons and dress trimmings,	17	465	891	-74	-15.91
Carpetings,	12	854	520	+166	+46.89
Carriages and wagons,	96	805	1,118	+313	+38.88
Cement, kaolin, lime, and plaster,	4	84	37	+3	+8.82
Chemical preparations (compounded), .	9	26	54	+28	+107.69
Clocks, watches, and jewelry,	77	1,042	1,045	+3	+0.29
Clothing,	113	2,672	2,803	+131	+4.90
Cooking, lighting, and heating apparatus,	81	694	769	+75	+10.81
Cordage and twine,	25	1,170	1,462	+292	+24.96
Corks, bungs, and taps,	4	10	14	+4	+40.00
Cotton goods,	157	5,461	5,814	+353	+6.46
Cotton, woollen, and other textiles, .	8	312	247	65	-20.83
Crayons, pencils, crucibles, etc.,	4	2	8	+6	+300.00
Drugs and medicines,	19	108	175	+67	+62.04
Dyestuffs,	7	85	58	+18	+51.43
Earthen, plaster, and stone ware,	4	31	148	+117	+377.42
Electrical apparatus and appliances, .	5	542	1,052	+510	+91.10
Electroplating,	10	21	23	+2	+9.52
Emery and sand paper and cloth, etc., .	13	88	94	+6	+6.82
Fancy articles,	6	66	45	-21	31.82
Fertilizers,	7	51	55	+4	+7.84
Fine arts and taxidermy,	2	8	7	+4	+133.33
Fireworks and matches,	. 8	58	47	-11	-18.97
Flax, hemp, jute, and linen goods, .	8	410	110	300	—73.17
Food preparations,	264	3,684	8,644	-40	-1.09

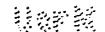
PERSONS EMPLOYED: BY INDUSTRIES—Continued.

COMPARISON OF RANGE OF EMPLOYMENT: BY INDUSTRIES

—1890, 1891—Concluded.

Industries.	Number of Estab- lishments	OVER SA	Greatest fallest f Persons oyed	Increase (+), or Decrease (-), in 1891	
	Con- sidered	1890	1891	Number	Percent- ages
Furniture,	120	1,085	944	—141	-13.00
Glass,	10	131	74	57	-43.51
Glue, isinglass, and starch,	14	266	153	—113	-42.48
Hair work (animal and human),	10	66	40	-26	-39.39
Hose: rubber, linen, etc.,	5	69	78	+9	+13.04
Hosiery and knit goods,	40	1,743	1,493	250	-14.34
Ink, mucilage, and paste,	8	6	6	*=	*=
Ivory, bone, shell, and horn goods, etc., .	13	122	144	+22	+18.03
Leather,	154	2,928	2,367	-561	-19.16
Liquors and beverages (not spirituous), .	12	68	71	+3	+4.41
Liquors: malt, distilled, and fermented, .	49	236	301	+65	+27.54
Lumber,	25	277	423	+146	+52.71
Machines and machinery,	263	3,910	3,932	+22	+0.56
Metals and metallic goods,	277	3,450	3,937	+487	+14.12
Mixed textiles,	13	172	157	-15	-8.72
Models and patterns,	5	12	11	-1	-8.33
Musical instruments and materials, .	46	422	354	68	-16.11
Oils and illuminating fluids,	9	91	103	+12	+13.19
Paints, colors, and crude chemicals, .	16	45	54	+9	+20.00
Paper and paper goods,	102	1,204	1,215	+11	+0.91
Perfumes, toilet articles, etc.,	4	8	7	+4	+133.33
Photographs and photographic materials,	11	34	36	+2	+5.88
Polishes and dressing,	18	73	78	+5	+6.85
Printing, publishing, and bookbinding, .	24	352	400	+48	+13.64
Print works, dye works, and bleacheries,	37	890	828	-62	-6.97
Railroad construction and equipment, .	14	654	800	+146	+22.32
Rubber and elastic goods,	80	2,520	1,787	—733	-29.09
Scientific instruments and appliances, .	11	150	140	-10	-6.67
Shipbuilding,	42	556	689	+138	+23.92
Silk and silk goods,	9	518	253	265	-51.16
Sporting and athletic goods,	9	154	238	+84	+54.55
Stone,	111	1,784	2,115	+331	+18.55
Straw and palm leaf goods,	17	2,884	3,042	+158	+5.48
Tallow, candles, soap, and grease,	55	169	31	<u>-138</u>	-81.66
Tobacco, snuff, and cigars,	35	586	525	61	-10.41
Toys and games (children's),	8	246	343	+97	+39.43
Trunks and valises,	7	52	50	-2	-3.85
Whips, lashes, and stocks,	15	79	76	-3	-3.80
Wooden goods,	149	1,130	1,050	80	-7.09
Woollen goods,	138	3,372	2,814	558	-16.55
Worsted goods,	21	1,442	1,081	-361	-25.03
ALL INDUSTRIES,	3,745	71,181	70,863	-318	-0.45

^{*} No change.



PERSONS EMPLOYED: BY INDUSTRIES. AGGREGATES, BY MONTHS.

1890, 1891.

[This presentation shows the aggregate number of persons employed, by sex, during each month of the years 1890 and 1891, for all the establishments considered in each industry.]

AGRICULTURAL IMPLEMENTS. [11 Establishments.]

							1890			1891	
	M	ONTH	B.			Males	Females	Total	Males	Females	Total
January,						690	_	690	704	_	704
February,					.	698		698	705	-	705
March,					.	704	- 1	704	718	- 1	718
April, .					.	712		712	704	- 1	704
May, .						708	1 - 1	708	703	- 1	708
June, .			-			717	-	717	670	- 1	670
July, .					. 1	690		690	653	_	653
August,						657	-	657	586	- 1	586
September,						651		651	602	- 1	602
						681	- 1	681	681	_	681
November,						680	-	680	701	- 1	701
December,				·		696	- 1	696	687	-	687

ARMS AND AMMUNITION. [12 Establishments.]

January,				1,656	181	1,837	1,763	177	1,940
February,			. 1	1,658	164	1.822	1,814	179	1,993
March,		•	.	1,649	175	1,824	1,865	182	2,047
April, .				1.690	156	1,846	1,907	161	2,068
May,				1,685	173	1,858	1,946	181	2,127
June, .				1,706	151	1,857	1,986	165	2,151
T., 1			- 1	1,711	162	1,873	1,934	163	2,097
August,			. 1	1,677	151	1,828	1,963	183	2,146
September,			- 1	1,664	159	1,823	1,946	189	2,135
October,				1.702	190	1,892	1,982	198	2,180
November,				1,676	189	1.865	1,969	189	2,158
December,			.	1,731	151	1,882	1,920	180	2,100

ARTISANS' TOOLS. [56 Establishments.]

						1		1			
January,						1,613	54	1,667	1,629	61	1,690
February,					. !	1,632	57	1,689	1,645	59	1,704
March.						1,613	57	1,670	1,626	60	1,686
April, .						1,638	56	1,694	1,617	60	1,677
May, .					.	1,658	59	1.717	1,620	60	1,680
June, .					.	1,623	56	1,679	1,622	59	1,681
July, .		•			.	1,594	49	1,643	1,595	53	1,648
August,					.	1,594	48	1,642	1,600	57	1,657
September	, .				.	1,620	58	1,678	1,601	58	1,659
October,					.	1,604	54	1,658	1,636	63	1,699
November,					- 1	1,617	52	1,669	1,637	61	1.698
December,	•	•	•	•		1,618	56	1,674	1,642	63	1,705
					- 1						

PERSONS EMPLOYED: BY INDUSTRIES—Continued.

AGGREGATES, BY MONTHS—1890, 1891—Continued.

AWNINGS SALLS TENTS ETC. [30 Establishments]

	A 11	111.		3, SA.	LS, TE	N15, E1	O. [00	Establish	meno.]	
	35					1890			1891	
	Mon	THS	·•		Males	Females	Total	Males	Females	Total
January,					112	18	130	112	17	129
February,	:	:	:	: :	109	21	130	114	20	134
farch,	:	:	:	: :	118	25	138	115	23	138
April, .					119	35	154	117	29	146
May					181	38	169	127	35	162
June, .					131	87	168	126	34	160
July, .						36	162	122	27	149
August,					127	81	158	122	23	145
eptember,	•		•		132	25	157	122	19	141
October,		•	•		134	24	158	145	19	164
November,	•	•	•		132	18	150	140	18	158
December,	•	•	•	• •	121	16	137	115	16	131
		F	300	TS A	ND SHO	DES. [5	67 Estab	lishment	s.]	
January,					80,440	12,059	42,499	30,650	12,652	43,302
ebruary,					31,081	12,158	43,239	31,079	12,897	43,976
darch,					31,243	12,190	43,433	31,230	12,838	44,068
pril, .					31,252	12,129	43,381	30,539	12,654	43,193
lay, .					81,901	12,405	44,306	31,133	12,909	44,042
une, .					33,201	12,777	45,978	31,228	1 12.808	44,036
uly, .	•	•	•		33,142	12,620	45,762	31,114	12,490 12,725 12,757 12,590	43,604
ugust,	•	•				13,228	47,430	31,656 31,250	12,725	44,381
eptember,	•	•	•			13,221	47,095	31,250	12,757	44,007
ctober,	•	•	•		83,253	12,803	46,056	30,341	12,590	42,931
Tovember,	•	•	•			12,343	43,790	29,231	12,017	41,248
December,	•	•	•		30,656	12,146	42,802	29,341	12,087	41,428
January, February, March, April, May, June, June, July, August, September, October, November, December,		: : : : : : : : : : : : : : : : : : :	(P	APER	1,835 1,863 1,892 1,920 1,913 1,877 1,796 1,793 1,816 1,873	1,319 1,361 1,384 1,361 1,353 1,358 1,312 1,329 1,379 1,435 1,396	N). [141 3,154 3,224 3,276 3,281 3,286 3,235 3,108 3,102 3,195 3,308 3,301 3,248	1,900 1,911 1,902 1,931 1,940 1,790 1,818 1,805 1,811 1,901 1,877 1,855	1,285 1,312 1,334 1,329 1,295 1,298 1,237 1,253 1,306 1,336 1,326 1,286	3,185 3,223 3,236 3,280 3,235 3,058 3,058 3,058 3,117 3,233 3,141
В	RIC	к,	TI	LES,	AND SI	EWER P	PIPE. [4	5 Estab	lishments	·.]
January, February,		:	•			11	418 409	481 475	6	487
March,	:	:	:	: :		ii	466	558	6	559
April					1,150	îî	1,161	1,151	6	1,15
lay,			·		1,866	ii	1,877	1.905	6	1,91
une, .			•		1.867	11	1,878	1.897	6	1,90
uly,					1,867	10	1.877	1.858	5	1,86
lugust,					. 1,817	10	1,827	1.865	9	1,87
eptember	, .		•		1,661	10	1,671	1,752	11	1,76
ctober,	•	•			1,187	9	1,196	1,226	8	1,23
Tovember,			•		765	6	771	742	6	7-
December,					450	6	456	546	6	53

	BR	001	as,	BRU	SHES, A	ND MO	PS. [21	Establis	hments.]
						1890			1891	
	Mo	SHTZ			Males	Females	Total	Males	Females	Total
January,					479	309	788	481	815	796
February,	•	•			473	313	786	483	812	795
March,	•	•	•		470	327 306	797	484	328	812
April, . May, .	•	•	•	: :	457 456	306	763 762	461 462	319 317	780 779
June	•	:	:	: :	446	304	750	471	329	800
July, .	:	:	:	: :	445	291	736	461	318	779
August,					444	285	729	466	320	786
September	٠, ٠	•	•		445	290	735	469	817	786
October,	•	•	•		451 462	289 282	740	470 466	325 321	795 787
November December	• •	:	:	: :	478	295	741 773	473	819	792
BURI	AL	CA	SE	S, CA	SKETS,	COFFIN	IS, ETC	. [6 Es	tablishme	ents.]
January,					171	40	211	181	40	221
February,	•	•	•		171	40 40	211	181	42	223
March, April, .	•	•	•		173 174	39	213 213	179 179	42 43	221 222
May, .	•	•	•	: :	172	38	210	180	43	223
June, .	:	:	÷	: :	171	37	208	180	41	221
July, .			•		171	36	207	182	42	224
August,			•		172	86	208	182	41	223
September	٠,٠	•	•		170	37	207	179	42	221
October,	•	•	•		171 168	37 37	208 205	179	42	221
November December	• •	•	•		169	37	205 206	178 178	38	219 216
	• •		<u>.</u>	· ·	100	"	200	110	•	210
в	JTT	ON	S A	AND I	DRESS	TRIMMI	NGS. [17 Estab	lishment	s.]
January,					292	685	977	306	851	1,157
February,	•	•	•		294	761	1,055	309	935	1,244
March,	•	•	•		309 287	840 798	1,149	304 304	955 961	1,259
April, . May, .	•	•	•		294	756	1,085 1,050	- 3 01	913	1,265 1,214
June, .	:	:	:	: :	286	738	1,024	307	865	1,172
July, .	:	:	:	: :	293	731	1,024	813	836	1,149
August,					282	690	972	818	845	1,163
Beptember	,. .				289	745	1,034	309	825	1,134
October,		•	•		324	789	1,113	812	882	1,194
November December		:	:	: :	333 362	821 818	1,154 1,180	314 311	889 901	1,203 1,212
				CARP	ETINGS	. [12 E	stablishn	nents.]		
January,					2,130	2,460	4,590	2,140	2,589	4,729
February,	•		•		2,146	2,559	4,705	2,155	2,615	4,729 4,770
March,	•	•	•		2,131	2,549	4,680	2,189	2,601	4,790
April, . May, .	•	•	•		2,092 2,089	2,535 2,501	4,627 4,590	2,160 2,133	2,508 2,513	4,668
May, . June, .	•	:	:	: :	2,120	2,301	4,607	2,133	2,513	4,646 4,704
July, .	:	:	:	: :	2,124	2,475	4.599	2,140	2,529	4,669
August.	:		:	: :	2,109	2,458	4,567	2,115	2,520	4,635
September	, .				2,106	2,542	4,648	2,134	2,531	4,665
October,	•		•		2,144	2,556	4,700	2,079	2,464	4,543
November		•	•		2,171	2,465	4,636	2,144	2,519	4,663
December,		•	•		2,156	2,510	4,666	2,126	2,458	4,584

	_	CAI	RRI	AGE	S.	AND W	AGONS.	[96 Es	stablishm	ents.]	
							1890			1891	
	M	ONTH	8.			Males	Females	Total	Males	Females	Total
January.						2,124	17	2,141	2,258	85	2,293
February	:	:	:	÷		2,174	19	2,193	2,296	85	2,331
March,						2,287	42	2,829	2,408	36	2,411
April, .	•	•	•	•	•	2,870	41	2,411	2,562	36	2,598
May,	•	•	•	•	•	2,469	41 40	2,510	2,652	35 27	2,687
June, . July, .	•	•	•	•	•	2,476 2,341	38	2,516 2,379	2,645 2,353	26	2,672 2,379
August,	:	:	:	:	:	2,210	87	2,247	2,178	26	2,204
September.	·		·	·	•	2,006	85	2,041	1,993	35	2,028
October,	•	•				2,074	82	2,106	1,900	83	1,933
November,	•	•	•		•	1,982	83	2,015	1,902	83	1,935
December,	<u>.</u>	•	•	•	•	1,994	26	2,020	1,904	33	1,987
CEM	EN	Т,	KÀ	OLI	N,	LIME,	AND PI	LASTER	. [4 Est	ablishme	nts.]
January,		•	•			53	l -	53	52	_	52
February,			•			53	-	53	52	-	52
March,			•	•	•	55	-	85	49	-	49
April, .	•	•	•	•	•	73	-	73 80	52 81	-	52
May, . June, .	•	•	•	•	•	80 82	-	82	63	1 - 1	81 6 3
June, . July, .	:	•	:	:	:	78	=	78	58	1 []	58
August,	:	:	:			72	i -	72	60	- 1	60
September	•		•			73	-	73	59	-	59
October,	•	•	•	•	•	76	-	76	61	-	61
November, December,	•	•	•	•	•	66 63	-	66 6 3	61 48	-	61 48
CHEM	IC/	A L	PR	EPA	RA	TIONS	(СОМР	OUNDEI)). [9 I	Establish	nents.]
January,	_			_		259	2	261	251	2	253
February,	:	:	:	:	:	259	2	261	252	2	254
March,				•		261	2	263	285	2	287
April, .	•	•	•	•	٠	265	2	267	289	2	291
May, .	٠	•	•	•	•	265 264	2 2 2	267 266	275 267	2 3	277
June, . July, .	•	•	•	•	•	264 264	2	266	279	3	270 282
August, .	:	:	:	:	:	261	2	263	279	3	282
September	, .			:	:	269	2 2	271	287	3	290
October,	•			•		273	2	275	284	2	286
November		•		•	•	272	2	274	282	2	284
December,	•	<u>.</u>	•	•	•	273	2	275	289	2	291
CL	oc	cks	, w	'AT(CHI	ES, ANI) JEWI	ELRY.	77 Estal	olishment	s.]
January,						2,509	966	8,475	2,661	955	8,616
February,	•	•	•	•	•	2,498 2,449	965 917	8,463 3,366	2,611 2,508	958 939	3,569 3,447
March, April,	•	:	•	:	:	2,357	852	3,209	2,447	893	3,340
May,	:	:	:	:	:	2,309	841	8,150	2,358	833	3,191
June, .		:				2,484	919	8,403	2,472	874	3,346
July, .	•		•		•	2,566	970	3,536	2,492	874	3,366
August,	•	•	•	•	•	2,405	893	3,298	2,440	869	3,309
September	٠,٠	•	•	•	•	2,576	975	3,551	2,508	888	3,396
October,	•	•	•	•	•	2,586	996	8,582	2,551	897	3,448
November	•	•	•	•	•	2,555	971 933	3,526 3,443	2,553	861 846	3,414
December	•	•	•	•	•	2,510	903	0,443	2,428	040	3,274
						<u> </u>	1	<u> </u>	11		<u> </u>

104 STATISTICS OF MANUFACTURES. [Pub. Doc.

PERSONS EMPLOYED: BY INDUSTRIES - Continued.

AGGREGATES, BY MONTHS-1890, 1891-Continued.

CLOTHING. [113 Establishments.]

		CLO.	THING.	[113 Es	tablishm	ents.]		
				1890			1891	
M	ONTRS.		Males	Females	Total	Males	Females	Total
January, .			2,451	5,120	7,571	2,379	5,484	7,863
February, .	•		2,508	5,363	7,871	2,438	5,600	8,038
March, .	•	· · ·	2,586 2,595	5,743 5,851	8,329 8,446	2,521	5,828 5,980	8,349 8,493
April, May,		: : :	2,640	5,817	8,457	2,513 2,524	5,964	8,488
June,			2,590	5,618	8,208	2,470	5.769	8,239
July,			2,533	5,268	7,801	2,393	5,318	7,711
August, .	• •		2,524	4,961 5,678	7,488 8,364	2,331 2,487	4,922 5,503	7,253 7,990
September, October,	: :		0.500	6,031	8,770	2,519	5,825	8,344
November, .			2,733	5,927	8,660	2,495	5,743	8,238
December, .	•		2,701	5,655	8,356	2,437	5,547	7,984
COOKIN	IG, LI	IGHTIN		HEATI ishments		PARATU	S. [31]	Estab-
January, .	_		1,750	11	1 761	1,811	17	1,828
February,	:	• • •	1,952	20	1,761 1,972	1,977	19	1,996
March, .			2,045	20	2,065	2,125	18	2,143
April,	•			20 22	2,108	2,184	19 20	2,203
May, June,	•	: : :	2,070 2,043	22	2,092 2,066	2,206 2,192	20	2,226 2,212
July,			0.011	23	2,064	2,192	19	2,211
August, .			2,123	25	2,148	2,323	20	2,343
Beptember, .	•			28	2,210	2,399	24	2,423
October, . November, .			2,198 2,202	31 32	2,229 2,234	2,402 2,381	26 23	2,428 2,404
December, .	•		2,137	29	2,166	2,256	23	2,279
January, .	COR		AND T	1,393	[25 Esta	2,034	1,654	3,688
February, March,	•		1,804 1,903	1,467 1,621	3,271 3,524	2,039 2,024	1,668 1,697	3,707 3,721
April,	•	: : :	1,944	1,598	3,542	2,028	1,651	3,679
May,			1,974	1,606	3,580	2,155	1,719	3,874
June, .			1,912	1,448	3,360	2.200	1,684	3,884
July,	•		1,861 1,712	1,437 1,346	3,298 3,058	2,070 1,738	1,526 1,398	3,596 3,136
August, . September, .	•	: : :		1,341	3,055	1,735	1,440	3,175
October, .	:	: : :	1,748	1.315	3,063	1.861	1.426	3,287
November, .			1,689	1,323	3,012	2,035	1,493	3,528
December, .	•	• • •	1,753	1,444	3,197	2,238	1,604	3,842
	CORK	s, bur	NGS, AN	D TAPS	3. [4 E	stablishm	ents.]	
January, .			29	11	40	82	10	42
February, .	• •		81	12	43 42	32 31	10	42 40
March, .	• •	• • •	29° 35	13 13	42 48	84	9 8	40 42
April, May,	: :	: : :	34	11	45	36	9	45
June,	:		34	12	46	36	9	45
July,			34	11	45	39	9	48
August, .			35 35	12 11	47 46	35 33	9 8	44 41
September, . October, .	• •		32	12	44	33	8	41
November, .	: :		32	13	45	80	8	38
December, .			32	12	44	30	10	40
•			Ī			1	1 1	

COTTON GOODS. [157 Establishments.]

						-	1890			1891	
	Mo	NTHS	•			Males	Females	Total	Males	Females	Total
January,			•			33,241	36,744	69,985	34,403 34,305 34,204	88,011	72,414
February,	•	•	•	•	•	33,452	87,084	70,536	84,305	38,027	72,332
March,	•	•	•	٠	•	83,310	37,079	70,389	34,204	38,006	72,210
April, .	•	•	•	•	•	83,413	37,188	70,601	33,864 33,524	38,103	71,967
May, June,	•	•	•	•	•	33,231 33,289	37,178 37,201	70,409 70,490	33,443	38,055 88,032	71,579 71,475
July, .	•	•	:	:	•	33,016	36,616	69,632	33,861	88,032 87,719	71,580
August,	:	:	:	:	•	33,135	86,814	69,949	33,904	87,381	71,285
September,						83,455	87,118	70,573	83,992	87,546	71,538
October,	•					33,729	87,692	71,421	84,079	88,017	72,096
November,						33,791	37,722	71,513	34,249	88,235	72,484
December,	•	•	•	•	•	33,896	37,739	71,685	84,249	38,308	72,557
сотто	N,	w	001	LLE	N,	AND O	THER 1	EXTILE	ES. [3]	Establish	ments.]
January,		•				945	1,052	1,997	1,049	1,152	2,201
February,	•	•	•	•	•	960	1,127	2,087	1,083	1,184	2,267
March,	٠	•	•	•	•	1,010	1,169	2,179	1,110	1,221	2,331
April, .	•	•	•	•	•	1,022 999	1,154	2,176	1,105	1,278	2,383
May,	•	•	•	•	•		1,178	2,177	1,122 1,124	1,255 1,237	2,377 2,361
June, .	•	•	•	•	•	1,017 1,008	1,194	2,211	1,124	1,213	2,363
July, . August,	•	•	•	:	•	1,000	1,212 1,181	2,220 2,152	1,096	1,173	2,269
September,	•	•	•	•	•	982	1,140	2,122	1,109	1,160	2,269
October,	•	:	:	•	•	965	1,173	2,138	1,115	1,201	2,316
November,		-	:	•	-	967	1,093	1 2,200	1 7,770	1,209	2,222
December,		-						1 2.060 1	1.013		
	•	•	•	-	•	935	1,093	2,060 2,085	1,013 1,036	1,199	2,235
		ONS	; ; ; ;	PEN	•	935	CIBLES	2,085	1,036		2,235
January, February, March, April, May, June, July, August, September, October, November,		:		:	CIII	50 50 50 49 49 49 49 49	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49	1,036 [4 Esta 42 41 43 44 45 46 45 44 44 43 39	1,199	2,235 ts.] 42 41 43 44 45 46 45 444 43 39
CRA January, February, March, April, May, June, June, August, September, October, November,		:		:	CIII	50 50 50 49 49 49 49 49	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40	1,199	2,235 ts.] 42 41 43 44 45 46 45 444 43 39
CRA January, February, March, April, May, June, June, August, September, October, November, December,		:		:	CIII	\$35 S, CRU 50 50 50 49 49 49 49 49 49 49 49 198 202	CIBLES	2,085 , ETC. 50 50 50 49 49 49 49 49 49 49 19 [19 Est	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 Cablishme	1,199 blishmen	2,235 ts.] 42 41 43 44 44 43 39 40
CRA January, February, March, April, May, June, July, August, September, October, November, December, January, February, March,		:		:	CIL	935 S, CRU 50 50 50 49 49 49 49 49 49 49 49 49 49 49 49 49	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49 49 49 49 10 [19 Est	1,036 [4 Esta 42 41 43 44 45 46 45 44 44 43 39 40 cablishme	1,199 blishmen	2,235 ts.] 42 41 43 44 44 44 43 39 40
CRA January, February, March, April, June, June, July, August, September, October, November, December, January, Rebruary, March, April.		DR	UG	:	CIL	\$35 \$50 \$50 \$50 \$49 \$49 \$49 \$49 \$49 \$49 \$49 \$49	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49 49 49 50 [19 Est	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 ablishme	1,199 blishmen	2,235 ts.] 42 41 43 44 44 43 39 40 393 416 416 416 428
CRA January, February, March, April, June, June, June, August, September, October, November, December, January, February, March, April, May,		DR		:	CII	935 AS, CRU 50 50 50 49 49 49 49 49 20 214 213 219	CIBLES	2,085 , ETC. 50 50 50 - 50 49 49 49 49 49 49 49 49 49 49 49 49 49	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 ablishme	1,199 blishmen	2,235 ts.] 42 41 43 44 44 44 43 39 40 893 416 416 428 428
CRA January, February, March, April, May, June, June, June, September, October, November, December, January, February, March, April, May, June, June,		DR	UG	:	CII	935 S, CRU 50 50 50 49 48 49 49 49 20 21 213 219 214	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49 49 49 50 50 50 50 50 50 50 50 50 50 50 50 50	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 215 222 228 231 237 243	1,199 blishmen	2,235 ts.] 42 41 43 44 44 43 39 40 893 416 416 416 416 418 428 427 441
CRA January, February, March, April, August, Cotober, November, December, January, February, March, April, May, June, June, June, June, June, June,		DR	UG	:	CII	50 50 50 50 49 49 49 49 49 49 20 214 213 219 214 204	CIBLES	2,085 , ETC. 50 50 50 - 50 49 49 49 49 49 49 49 50 [19 Est	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 ablishme	1,199 blishmen	2,235 ts.] 42 41 43 44 44 44 43 39 40 893 416 418 427 441 444 444
CRA January, February, March, April, May, June, June, June, Cotober, November, December, January, February, March, April, May, June, Jun	Y(DR	UG	:	CII	935 SS, CRU 50 50 50 49 49 49 49 49 21 198 202 214 213 219 211 204 211	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49 49 49 49 49 49 49 49	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 215 222 228 231 237 243 243 251	1,199 blishmen	2,235 ts.] 42 41 43 445 444 443 39 40 393 416 418 428 427 441 444 428
CRA January, February, March, April, . August, September, October, November, December, March, August, September, January, February, March, April, . May, . June, . June, . June, . June, . September,	Y(DR	UG	S 4	CIL	50 50 50 49 49 49 49 49 49 20 21 21 21 20 21 21 21 20 21 21 21 20 21	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49 49 49 50 50 50 50 50 50 50 50 50 50 50 50 50	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 ablishme	1,199 blishmen	2,235 ts.] 42 41 43 44 44 43 39 40 893 416 416 418 428 427 441 446 425 441
CRA January, February, March, April, May, June, June, June, Cotober, November, December, January, February, March, April, May, June, Jun		DR	UG	:	CII	50 50 50 50 49 49 49 49 49 49 202 214 213 219 214 204 211 209 204	CIBLES	2,085 , ETC. 50 50 50 50 49 49 49 49 49 49 49 49 50 50 50 50 50 50 50 50 50 50 50 50 50	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 215 222 228 231 237 243 2413 2413 242 228	1,199 blishmen	2,235 ts.] 42 41 43 44 44 44 43 39 40 893 416 418 428 427 441 446 426
CRA January, February, March, April, June, June, July, August, September, October, November, December, January, February, March, April, Ayril, June, June, July, August, September, October,		DR	UG	S A	CIL	935 AS, CRU 50 50 50 49 49 49 49 49 202 214 213 219 214 204 201 209	1,150 CIBLES	2,085 , ETC. 50 50 50 - 50 49 49 49 49 49 49 49 49 49 49 49 49 49	1,036 [4 Esta 42 41 43 44 45 46 45 44 43 39 40 215 222 228 231 237 243 243 243 2442	1,199 blishmen	2,235 ts.] 42 41 43 44 44 44 43 39 40 803 816 416 428 427 441 446 446 446 445 441 452

DYESTUFFS. [7 Establishments.]

				_						
						1890			1891	
	Монтн	is.			Males	Females	Total	Males	Females	Total
January, .					199	5	204	205	5	210
February, .	:	:	:		202	ğ	211	208		217
March, .	:	:	:		204	ğ	213	213	l ğ l	222
April			•		206	9	215	208	10	218
May,				. 1	209	9	218	194	9	203
une,	•		•		211	9 9 9	220	203	8	211
uly,	•	•	•		214	9	223	206	13	219
luguet, .	•	•	•	•	214 213	8	223 221	211 212	13 13	224 221
leptember, . October, .	•	•	•		217	9	226	213	9	22
November, .	. :	:	:	:1	209	10	219	212	اقا	22
December, .	•	•	•	\cdot	199	9	208	212	8	220
ÆARTI	HEN,	PI	LAST	ER	a, AND	STONE	WARE	. [4 Es	tablishme	ents.]
anuary, .					186	19	205	155	16	17
ebruary,	•	•	•		190	18	208	154	23	17
farch, .	•	•	•		195 196	20 25	215 221	162	22	18
ipril,	•	٠	•	•	200	25 25	225	167 218	26 25	19 24
une,	•	:	:		199	25	224	224	28	25
uly,	:	:	:		195	22	217	217	27	24
ugust, .	·			.	200	25	225	229	84	26
·ptember, .					206	27	233	230	31	26
ctober, .	•			.	200	27	227	236	32	
October, . November, .	:	:			200 201 199	27 25 25	227 226 224	236 177 117	32 28 9	203
October, . November, .	ICA	:	:		201 199	25 25	226 224	177	28	268 205 126 ments.
November, December,	ICA	:	:		201 199 TUS A	25 25 ND API	226 224 PLIANCE	ES. [5]	28 9 Establish	20: 12: ments.
etober, November, December, ELECTR anuary,	ICAI	:	:		201 199 TUS A	25 25 ND API	226 224 PLIANCE 2,532	ES. [5]	28 9 Establish	20 12 ments
ectober, November, December, ELECTR anuary,	ICAI	:	PPA	RA'	201 199 TUS A	25 25 ND API 326 310	226 224 PLIANCE 2,532 2,558	2,139 1,994	28 9 Establish	20 12 ments
ELECTR anuary, ebruary, farch,	ICAI	:	:		201 199 TUS A 2,206 2,248 2,271	25 25 ND API 326 310 300 312	226 224 PLIANCE 2,532 2,558 2,571	2,139 1,994 1,928	28 9 Establish 309 310 288	20 12 ments 2,44 2,30 2,21
ELECTR anuary, ebruary, Iarch, pril, ay.	ICAI	:	PPA	RA	201 199 TUS A 2,206 2,248 2,271 2,251 2,141	25 25 ND APP 326 310 300 312 321	228 224 PLIANCE 2,582 2,558 2,571 2,563 2,462	2,139 1,994 1,928 2,078 2,144	28 9 Establish	20 12 ments 2,44 2,30 2,21 2,37
Annuary, ebruary, farch, pril, anuary, ebruary, farch, pril, aune,	:	: L A :	PPA	RA	201 199 TUS A 2,206 2,248 2,271 2,251 2,141 2,091	25 25 ND APE 326 310 300 312 321 304	226 224 PLIANCE 2,532 2,558 2,571 2,563 2,462 2,395	2,139 1,994 1,928 2,078 2,144 2,297	28 9 28 309 310 288 300 300 305	20 12 ments 2,44 2,30 2,21 2,37 2,44 2,60
ELECTR anuary, ebruary, larch, pril, alay, une, une, une, une, une, une, une, une	:	: L A :	PPA	RA	201 199 TUS A 2,206 2,248 2,271 2,251 2,141 2,091 2,120	25 25 25 ND API 326 310 300 312 321 304 291	228 224 PLIANCI 2,532 2,558 2,571 2,563 2,462 2,395 2,411	2,139 1,994 1,998 2,078 2,144 2,297 2,466	28 9 309 310 288 300 300 305 323	20 12 ments 2,44 2,30 2,21 2,37 2,44 2,60 2,72
rotober, fovembe	:	: L A : : :	PPA	RA	201 199 TUS A 2,206 2,248 2,271 2,251 2,141 2,091 2,120 2,217	25 25 ND API 326 310 300 312 321 304 291 300	226 224 PLIANCE 2,532 2,558 2,571 2,663 2,462 2,395 2,411 2,517	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511	28 9 28 9 29 28 310 288 300 306 323 332	20 12 ments 2,44 2,30 2,21 2,37 2,44 2,60 2,72 2,72 2,84
cotober, Covember, ELECTR anuary, ebruary, (arch, pril, iay, une, uly, ugust, eptember,	:	: L A : : :	PPA	RA	201 199 TUS A. 2,206 2,248 2,271 2,251 2,141 2,091 2,120 2,217 2,361	25 25 ND API 326 310 300 312 321 304 291 300 318	226 224 PLIANCE 2,532 2,538 2,571 2,663 2,462 2,395 2,411 2,517 2,679	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511 2,867	28 9 28 9 29 28 28 300 300 305 323 332 350	20 12 ments 2,44 2,30 2,21 2,37 2,44 2,60 2,72 2,84 3,01
anuary, ebruary, larch, pril, agy, une, ully, ully, ctober, ct	:	: L A : : :	PPA :	RA	201 199 TUS A 2,206 2,248 2,271 2,251 2,141 2,091 2,120 2,217 2,361 2,600	25 25 ND API 326 310 300 312 321 304 291 300 318 306	226 224 PLIANCI 2,532 2,558 2,571 2,563 2,462 2,395 2,411 2,517 2,679 2,906	2,139 1,994 1,928 2,144 2,278 2,144 2,266 2,511 2,667 2,287	28 9 28 9 29 29 29 29 29 29 29 29 29 29 29 29 2	20 12 ments 2,44 2,30 2,21 2,37 2,44 2,60 2,72 2,84 3,01 2,63
Anuary, ebruary, farch, pril, day, unue, unue, eptember, cotober, fovember, covember,	:	: L A : : :	PPA	RA	201 199 TUS A. 2,206 2,248 2,271 2,251 2,141 2,091 2,120 2,217 2,361	25 25 ND API 326 310 300 312 321 304 291 300 318	226 224 PLIANCE 2,532 2,538 2,571 2,663 2,462 2,395 2,411 2,517 2,679	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511 2,867	28 9 28 9 29 28 28 300 300 305 323 332 350	20 12 ments 2,44 2,30 2,21 2,37 2,44 2,60 2,72 2,84 3,01 2,63 3,06
Anuary, ebruary, farch, april, august, eptember, occumber, :	: L A	PPA	RA	201 199 TUS A. 2,206 2,248 2,271 2,251 2,141 2,091 2,120 2,217 2,309 2,597 2,309	25 25 ND API 326 310 300 312 321 304 291 300 318 306 311 320 NG. [10	226 224 PLIANCI 2,532 2,538 2,571 2,563 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870	28 9 9 300 300 300 305 323 332 350 350 352 353	20: 12: ments. 2,44: 2,30: 2,21: 2,37: 2,44: 2,63: 3,01: 2,63: 3,02: 3,02: 2,7:2: 2,63: 3,03: 2,7:2: 2,63: 3,03: 2,21:	
ELECTR Annuary, February, April, August, August, Covember, Covember, Covember, Covember, Covember,	:	: L A	PPA	RA	201 199 TUS A: 2,206 2,248 2,271 2,251 2,141 2,120 2,217 2,361 2,697 2,309 PLATII	25 25 ND API 326 310 300 312 321 304 291 300 318 306 311 320 NG. [10	226 224 PLIANCI 2,532 2,558 2,571 2,663 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870	28 9 9 300 300 300 305 323 332 350 350 352 353	20: 12: ments. 2,44: 2,30: 2,21: 2,37: 2,44: 2,63: 3,04: 3,0
August, eptember, oecember, :	: L A	PPA	RA	201 199 2,206 2,248 2,271 2,251 2,141 2,091 2,127 2,309 2,597 2,309 PLATII	25 25 ND API 326 310 300 312 321 304 291 300 318 306 311 320 NG. [10	226 224 PLIANCE 2,532 2,558 2,558 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 2,139 1,994 2,078 2,144 2,297 2,406 2,511 2,867 2,287 2,716 2,870 shments.	28 9 9 300 300 300 305 322 350 352 353 353 353 353 353 353 353 354 4 4 4 4	20: 12: ments. 2,44: 2,30: 2,21: 2,44: 2,60: 2,72: 2,84: 3,01: 2,63: 3,03: 3,22: 77: 71: 71:	
Anuary, ebruary, suguet, evenber, overb	:	: L A	PPA	RA	201 199 201 199 201 199 201 199 201 201 201 201 201 201 201 201 201 201	25 25 ND API 326 310 300 312 321 304 291 300 318 306 311 320 NG. [10	226 224 PLIANCI 2,532 2,558 2,557 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870 8hments.	28 9 9 300 300 310 228 300 300 323 322 350 350 350 350 350 350 351 351 351 351 351 351 351 351 351 351	20. 12: ments. 2,44: 2,30: 2,21: 2,44: 2,60: 2,72: 2,53: 3,01: 2,63: 3,02: 3,03: 3,04: 77: 77: 77: 77:
Annuary, ebruary, ingulary, eccember, anuary, ebruary, farch, april, aune, une, une, covember, covember, eccember, eccember, eccember, farch,	:	: L A	PPA	RA	201 199 TUS A. 2,206 2,248 2,271 2,251 2,141 2,091 2,127 2,381 2,200 2,597 2,309 PLATII	25 25 ND API 326 310 300 312 321 304 291 300 318 306 311 320 NG. [10	226 224 PLIANCE 2,532 2,558 2,571 2,663 2,402 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870 8hments.	28 9 9 300 300 310 2288 300 305 323 332 350 352 353	20. 12: ments. 2,44: 2,30: 2,21: 2,44: 2,60: 2,72: 2,84: 3,01: 2,63: 3,08: 3,08: 3,08: 3,08: 3,08: 3,72:
Anuary, ebruary, ebruary, ebruary, ebruary, eptember, coeember, coeember, end of the coeember, end of the coeember, ebruary, ebruary, ebruary, ebruary, eptember, ebruary, eptember, eptem	:	: L A	PPA	RA	201 199 201 199 201 199 201 199 201 201 201 201 201 201 201 201 201 201	25 25 25 ND API 326 310 300 312 321 304 291 309 318 300 311 320 NG. [10	226 224 PLIANCI 2,532 2,558 2,558 2,563 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870 shments.	28 9 9 300 300 310 2288 300 305 323 332 350 352 353	20. 12. ments. 2,44. 2,30. 2,21. 2,37. 2,44. 2,60. 2,72. 2,84. 3,01. 2,63. 3,02. 77. 77. 77. 77.
Annuary, ebruary, farch, pril, fay, une, une, covember, fay, une, une, covember, eptember, covember, ecember, fay anuary, ebruary, farch, pril, fay anuary, ebruary, farch, pril, fay anuary, ebruary, farch, pril, fay, une, une, une, une, une, une, une, une, une, une, une, une, une, une, une, une,	:	EL	PPA	RA	201 199 201 199 201 199 201 199 201 201 201 201 201 201 201 201 201 201	25 25 25 25 25 25 25 25 25 25 25 25 25 2	226 224 PLIANCE 2,532 2,558 2,571 2,563 2,462 2,395 2,411 2,517 2,679 2,908 2,629 Establis	2,139 1,994 1,928 2,139 1,994 2,297 2,406 2,511 2,667 2,716 2,870 shments.	28 9 9 300 300 310 288 300 305 323 332 350 352 353	20. 12. ments. 2,44. 2,30. 2,21. 2,37: 2,44. 2,60. 2,72: 3,01: 2,84. 3,01: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:
August, ebecember, anuary, ebruary, farch, une, une, use, eptember, cotober, fovember, ecomber, ecomber, elecamber, elecamber, elecamber, elecamber, elecamber, une, une, une, une, une, une, une, une	:	: L A	PPA	RA	201 199 201 199 201 199 201 199 201 199 201 201 201 201 201 201 201 201 201 201	25 25 25 25 25 25 25 25 25 25 25 25 25 2	226 224 PLIANCE 2,532 2,558 2,563 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 2,139 1,998 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870 8hments.	28 9 9 300 300 300 305 322 350 352 353 353 353 354 4 4 4 4 4 4 4 4 4 4 4 4	20. 12. ments. 2,44. 2,30. 2,21. 2,37. 2,44. 2,60. 2,72. 2,84. 3,01. 2,60. 3,22. 77. 77. 77. 77. 77. 77. 77. 77. 77.
Annuary, ebruary, farch, april, fay, iujy, tugust, eptember, cocember, cocember, ebruary, farch, fay, iune, iune, forember, cocember, forember, forember, forember, fay, iune, forember,	:	EL	PPA	RA	201 199 201 199 201 199 201 199 201 199 201 201 201 201 201 201 201 201 201 201	25 25 25 25 25 25 25 25 25 25 25 25 25 2	226 224 PLIANCI 2,532 2,538 2,558 2,557 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 1,928 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870 8hments.	28 9 9 300 300 310 228 300 300 323 322 350 350 350 350 350 350 360 360 360 360 360 360 360 360 360 36	20. 12. ments. 2,44. 2,30. 2,21. 2,44. 2,60. 2,72. 2,53. 3,01. 2,63. 3,02. 77. 77. 77. 77. 77. 77.
Annuary, ebruary, ebruary, coember, coe	:	: L A	PPA	RA	201 199 201 199 201 199 201 199 201 199 201 201 201 201 201 201 201 201 201 201	25 25 25 25 25 25 25 25 25 25 25 25 25 2	226 224 PLIANCE 2,532 2,558 2,563 2,462 2,395 2,411 2,517 2,679 2,906 2,908 2,629 Establis	2,139 1,994 2,139 1,998 2,078 2,144 2,297 2,406 2,511 2,667 2,287 2,716 2,870 8hments.	28 9 9 300 300 300 305 322 350 352 353 353 353 354 4 4 4 4 4 4 4 4 4 4 4 4	20. 12. ments. 2,44. 2,30. 2,21. 2,37. 2,44. 2,63. 3,08. 3,22. 77.

EMERY AND SAND PAPER AND CLOTH, ETC. [13 Establishments.]

				_						
						1890			1801	
	Mont	H8.			Males	Females	Total	Males	Females	Total
January,					264	10	274	305	10	315
February,	: :	:		.	266	10	276	303	10	313
March,				٠.	273	10	283	316	10	326
April, .		•	•	.	277	10	287	833	10	843
May,		•	•		268	10	278	335	10	345
June, .	• •	•	•	- 1	271	10	281	342	10	852 342
July, .		•	•	٠ ا	263 269	10 10	273 279	332 341	10 10	851
August, Septemb e r,	•	:	•		274	10	284	327	10	837
October.	: :	:	÷	: 1	272	iŏ	282	326	iŏ	336
November,					280	10	290	822	10	332
December,		•	•		272	10	· 282	823	10	883
		F	ANC	Y.	ARTICI	ÆS. [6	Establis	hments.]		
January,			·.		45	196	241	41	187	228
February,	: :	:	•		46	197	243	40	179	219
March,					48	198	246	42	178	220
April, .				.	48	180	228	42	175	217
May,		•	•	•	48	174	222	40	174	214
June,		•	•	.	49 46	181 190	230 236	40 40	172 165	212
July, .	• •	•	•	٠,	47	190	241	39	190	205 229
August, September,	: :	•	•		49	205	254	41	187	228
October,	•	:	:	:	48	196	244	40	180	220
November,	: :			.	50	213	263	41	175	216
December,					52	228	280	89	172	211
January, February, March, April, . May, . June, .		:	:	:	59 64 80 99 69	S. [7 E	59 64 80 99 69	51 56 72 93 62 42	-	51 56 72 93 62 42
July, . August,	• •	•	•	•	50 50	-	50 50	42 42	-	42 42
September,		•	:		51	-	51	43		43
October,	. :	:	:		53	-	53	44	-	44
November, December,		:	:	:	53 54	<u> </u>	53 54	45 43	-	45 43
·	FIN	E A	RTS	 A1	ND TA	XIDERM	IY. [2]	 Establish	ments.]	
January,					8	-	8	7	-	7
February,		•	•	٠	8	-	8	6	-	6
March,	• •	•	•	•	7 7	_	7 7	7 7	-	7
April, . May, .		•	•	:	6	=	6	6		6
June, .		•	:	:	5	_	5	4	-	1
July, .	: :	:	:	:	5 5	-	5	4	-	4 4 6
August,				. I	5	-	5	4	- 1	4
September,				- 1	7	-	7	5	1 1	
October,		•	•		7	-	7	8	1 1	9
November,		•		•	7	-	7	9	2	11

FIREWORKS AND MATCHES. [3 Establishments.]

						1890			1891	
	10HT	ıs.		-		1	,		1001	
					Males	Females	Total	Males	Females	Total
January, .					42	10	52	52	18	70
February, .	•	•		•	42	15	57	55	20	75
March, .	•	•		•	44	21	65	.57	18	75
April,	•	•	•	•	51	16	67	60	20	80
Мау,	•	•	•	•	57	21	78	60	21	81
June,	•	•	•	.	50 87	21 13	71 50	57 51	18 16	75
July, August, .	•	•	•	•	30	13	39	47	15	62
September, .	•	•	:	:	29	111	40	54	18	72
October, .	:	:	:		27	9	36	54	15	69
November, .			:		28	6	34	58	10	68
December, .	•	•	•	.}	.25	3	28	50	9	59
FLAX,	HE	MP,	JU	TE,	AND	LINEN	GOODS.	[8 Est	ablishme	nts.]
						1	1 1	1	1 1	
January, .	•	•	•	•	892	785	1,677	983	914	1,897
Pebruary, .	•	•	•	•	878	801	1,679	984	928	1,91
March, .	•	. •	•	•	913 979	830 870	1,743	981 980	936 933	1,91
April,	•	•	•	•	1.049	867	1,849 1,916	978	925	1,913 1,903
une,	:	•	:		1,087	906	1,993	981	920	1,90
uly,	:	:	:		1,073	918	1,991	978	902	1,88
August, .					1,105	906	2,011	999	891	1.896
eptember, .				.	1,074	894	1,968	1,001	895	1.89
ctober, .		•			1,029	876	1,905	996	903	1.89
Tovember, .										
December, .	·	:	:		1,019 1,008	876 865	1,895 1,873	992 983	907 887	1,899
December, .	: 'A'	; 	:	:	1,019 1,008	865	1,895 1,873	983	887	1,899 1,870
December, .	F	; 00D	:	:	1,019 1,008 ARATI	865	1,895	983	ts.]	1,899
January	F	; 00D	:	:	1,019 1,008 ARATI	865 ONS. [1,895 1,873 264 Esta 5,835	983 blishmen 5,640	ts.]	1,896 1,870
January, .	F	; 00D ;	:	:	1,019 1,008 ARATI 4,601 4,735	865 ONS. [1,895 1,873 264 Esta 5,835 6,049	983 blishmen 5,640 5,029	ts.]	1,896 1,870 6,894 6,395
January,	F : : :	: 00D :	: PI	:	1,019 1,008 ARATI 4,601 4,735 5,036	1,234 1,314 1,308	1,895 1,873 264 Esta 5,835 6,049 6,344	983 blishmen 5,640 5,029 5,217	ts.]	1,890 1,870 6,894 6,395 6,634
January, February, farch,	F	: 00D :	: PI	REP.	1,019 1,008 ARATI 4,601 4,735 5,036 4,471	1,234 1,314 1,308 1,333	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804	983 blishmen 5,640 5,029 5,217 5,415	ts.]	1,894 1,876 6,894 6,394 6,634 6,878
anuary, february, farch, hpril,	F		: PI	REP.	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271	ONS. [1,234 1,314 1,308 1,333 1,400	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671	5,640 5,029 5,217 5,415 5,356	ts.]	1,89 1,87 6,89 6,89 6,63 6,87 6,78
anuary, . ebruary, . farch, . pril, fay, une,	F	; 00D ;	: PI	REP.	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,615	ONS. [1,234 1,314 1,308 1,333 1,400 1,455	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671 6,070	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474	ts.]	1,894 1,876 6,894 6,396 6,634 6,876 6,786
anuary, ebruary, farch, pril, fay, une, une, uiy, .	F	: 00D : :	: PI	REP.	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,615 4,770 4,940	ONS. [1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671 6,070 6,234	5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507	6,89- 6,89- 6,39- 6,63- 6,78- 6,97: 7,06:
anuary, ebruary, farch, pril, fay, une, uly, uly,	F · · · · · · · · · · · · · · · · · · ·	: OOD : : :	: PI	REP.	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,615 4,770 4,940 5,133	0NS. [1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740	1,896 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671 6,070 6,234 6,447 6,873	5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,660 5,665	1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703	6,89- 6,89- 6,39- 6,63- 6,78- 6,97: 7,06:
fanuary, february, farch, farch, day, une, uly, Lugust, eptember,	F · · · · · · · · · · · · · · · · · · ·	: OOD : : :	: PI	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,617 4,940 5,133 5,239	0NS. [1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722	1,896 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671 6,070 6,234 6,447 6,873 6,961	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645	6,89- 6,39- 6,63- 6,63- 6,77- 7,06- 7,111- 7,366- 7,422-
anuary, ebruary, farch, fay, une, uly, uly, eptember, ctober,	F	; 00D	: PI	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,615 4,740 4,940 5,133 5,239 5,129	1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804 5,801 6,070 6,234 6,447 6,873 6,961 6,869	5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783 5,755	1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,804	6,89- 6,39- 6,63- 6,63- 6,77- 7,06- 7,11- 7,362- 7,356-
anuary, ebruary, farch, fay, une, uly, uly, eptember, ctober,	F · · · · · · · · · · · · · · · · · · ·	: 00D	: PI	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,617 4,940 5,133 5,239	0NS. [1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722	1,896 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671 6,070 6,234 6,447 6,873 6,961	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645	1,894 1,870 6,894 6,394 6,673 6,734 6,773 7,064 7,111 7,364 7,422 7,354
fanuary, february, farch, farch, farch, fune, fu	F		: PP	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,215 4,770 4,940 5,133 5,239 5,215	1,234 1,314 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,807	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783 5,755 5,700	1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,804	1,894 1,870 6,894 6,396 6,637 6,736 6,77 7,061 7,111 7,366 7,422 7,356
fanuary, february, farch, farch, farch, fune, fu	F(: PP	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,615 4,740 4,940 5,133 5,239 5,129	1,234 1,314 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804 5,801 6,070 6,234 6,447 6,873 6,961 6,869	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783 5,755 5,700	1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,804	1,899
fanuary, rebruary, farch, farch, farch, tune, uly, tugust, teptember, ctober, covember, eccmber,	F		: PP	REP	1,019 1,008 ARATI 4,601 4,703 4,471 4,271 4,615 4,740 4,940 5,133 5,239 5,215 FURE.	865 ONS. [1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,720 1,730 1,592 [120 E:	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,807	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 6,554 5,580 5,665 5,783 5,755 5,700	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510	1,894 1,870 6,894 6,639 6,638 6,787 6,788 6,77 7,060 7,111 7,422 7,356 7,210
fanuary, february, february, february, farch, farch, farch, fune, fune, fune, fotober, fovember, fovember, fovember, february,	F		: PP	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,615 4,477 4,940 5,133 5,239 5,129 5,215 FURE.	1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E:	1,895 1,873 264 Esta 5,835 6,049 6,344 5,804 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,907 stablishm 4,539 4,612	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,685 5,783 6,755 5,700	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510	1,894 1,870 6,894 6,396 6,634 6,787 7,061 7,111 7,366 7,210 4,892 4,990
Vanuary,	F		: PP	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,271 4,940 5,133 5,239 5,215 FURE. 4,164 4,242 4,342	1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E:	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,807	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783 5,755 5,700 ents.]	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447	1,894 1,870 6,894 6,895 6,634 6,787 7,066 7,111 7,366 7,210 4,892 4,892 4,892 5,021
anuary, february, february, farch, fay, fune, fotober, fovember, fovember, february, february, february, february, farch, farch, forb, forb, forb, forb, forb, forb, forb, forb, forb, forb, forb, february, february, february, february, february, february, february, february, february, february, february, february, ferch, forb, february	F(: PP	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,910 5,133 5,239 5,215 FURE.	1,234 1,314 1,308 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E: 375 365 408 444	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,961 6,863 6,807 stablishu 4,539 4,612 4,800 4,886	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,665 5,783 5,755 5,700 eents.]	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447 454	1,894 1,876 6,89- 6,69- 6,68- 6,87- 6,78- 7,111 7,364 7,425 7,355 7,216
anuary, february, farch, April, fuy, une, uly, tobber, tobber, becember, eccmber, eccmber, farch, farch, farch, farch, farch, farch,	F(PI	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,615 4,770 4,940 5,133 5,239 5,215 FURE. 4,164 4,247 4,392 4,444 4,448	1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E:	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,889 6,807	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783 5,755 5,700 ents.]	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447	1,894 1,876 6,89- 6,63- 6,73- 6,73- 7,06 7,11- 7,462 7,35- 7,210 4,890 5,027 5,112 5,122
fanuary, february, farch, spril, day, day, day, day, day, day, day, day	F		FUI	REP	1,019 1,008 4,601 4,601 4,735 5,036 4,471 4,271 4,615 4,470 4,740 5,133 5,239 5,129 5,215 FURE. 4,164 4,247 4,247 4,344 4,448 4,448 4,429 4,312	1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E: 375 365 408 442 463 454 440	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,807 stablishm 4,539 4,612 4,800 4,886 4,931 4,888 4,931 4,888	983 blishmen 5,840 5,029 5,217 5,415 5,356 5,474 6,554 5,560 5,783 5,755 5,700 ents.] 4,459 4,456 4,659 4,669 4,669 4,669 4,675	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447 454 465	1,894 1,876 6,89- 6,639- 6,639- 6,731- 6,78- 6,78- 7,111- 7,422- 7,356 7,216 4,892- 4,900 5,021- 5,111- 5,102- 5,038-
anuary, 'ebruary, 'farch, 'ebruary, 'farch, 'eptember,	F0		PI	REP	1,019 1,008 ARATI 4,601 4,735 5,036 4,471 4,271 4,615 4,740 5,133 5,239 5,215 FURE. 4,164 4,247 4,342 4,444 4,468 4,429 4,312 4,383	1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E: 375 365 408 442 463 454 440 443	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,807 stablishu 4,539 4,612 4,800 4,886 4,931 4,883 4,752 4,828	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783 5,755 5,700 ents.] 4,459 4,459 4,459 4,659 4,669 4,575 4,420 4,392	ts.] 1,254 1,366 1,417 1,400 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447 454 465 464 409 419	1,894 1,876 6,89- 6,63- 6,63- 6,73- 6,73- 7,06- 7,11: 7,36- 7,42: 7,35- 7,216 4,892 4,900 5,022 5,112: 5,122- 5,036 4,892
anuary, february, february, farch, fay, farch, fotober, fovember, february, ferch, february, ferch, fay, fune, fay, farch, fay, farch, fay, fay, fay, fay, fay, fay, fay, fay	F		FUI	REP	1,019 1,008 4,601 4,601 4,735 5,036 4,471 4,615 4,471 4,940 5,133 5,239 5,129 5,215 FURE. 4,164 4,247 4,392 4,444 4,468 4,422 4,312 4,312 4,312 4,312 4,312 4,312 4,313	1,234 1,314 1,308 1,303 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E: 375 365 408 442 463 454 440 443 462	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,807 stablishm 4,539 4,612 4,800 4,886 4,931 4,803 4,752 4,826 5,032	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,665 5,783 5,755 5,700 eents.]	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447 454 465 481 409 419 448	1,894 1,876 6,89- 6,63- 6,63- 6,77- 7,06 7,11: 7,356 7,216 4,892 4,900 5,02: 5,11: 5,12: 6,83: 4,893 4,903 4,893 4
anuary, 'ebruary, 'farch, 'anuary, 'ebruary, 'farch, 'angust, 'eptember, 'cotober, 'covember, 'ebruary, 'farch, 'pril, 'farch, 'pril, 'farch, 'pril, 'fay, 'angust, 'eptember, 'cotober, '	F		FUI	REP	1,019 1,008 4,601 4,601 4,735 5,036 4,471 4,615 4,770 4,940 5,133 5,239 5,215 FURE. 4,164 4,24 4,24 4,392 4,448 4,429 4,383 4,579	1,234 1,314 1,308 1,333 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E: 375 365 408 442 463 4440 443 462 477	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,847 6,859 6,807 stablishu 4,539 4,612 4,800 4,886 4,931 4,883 4,752 4,803 5,032 5,106	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,560 5,665 5,783 6,755 5,700 eents.] 4,459 4,456 4,650 4,660 4,650 4,680 4,575 4,420 4,392 4,532 4,676	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447 454 405 464 409 419 448 472	1,894 1,870 6,894 6,395 6,737 6,787 7,066 7,111 7,368 7,210 4,892 4,902 5,022 5,112 5,122 5,123 6,834 4,892 4,893 4,893 4,893 4,893 4,811 4,984
anuary, 'ebruary, 'farch, 'ebruary, 'farch, 'eptember,	F		FUI	REP	1,019 1,008 4,601 4,601 4,735 5,036 4,471 4,615 4,471 4,940 5,133 5,239 5,129 5,215 FURE. 4,164 4,247 4,392 4,444 4,468 4,422 4,312 4,312 4,312 4,312 4,312 4,312 4,313	1,234 1,314 1,308 1,303 1,400 1,455 1,464 1,507 1,740 1,722 1,730 1,592 [120 E: 375 365 408 442 463 454 440 443 462	1,896 1,873 264 Esta 5,835 6,049 6,344 5,671 6,070 6,234 6,447 6,873 6,961 6,859 6,807 stablishm 4,539 4,612 4,800 4,886 4,931 4,803 4,752 4,826 5,032	983 blishmen 5,640 5,029 5,217 5,415 5,356 5,474 5,554 5,665 5,783 5,755 5,700 eents.]	ts.] 1,254 1,366 1,417 1,460 1,429 1,503 1,507 1,551 1,703 1,645 1,604 1,510 433 444 447 454 465 481 409 419 448	1,894 1,870 6,894 6,396 6,637 6,736 6,77 7,061 7,111 7,366 7,422 7,356

GLASS. [10 Establishments.]

						1890			1891	
	Monte	18.			Males	Females	Total	Males	Females	Total
January,					457	29	486	489	35	524
February,		•	•	- 1	457	29	486	491	85	526
March,		•	•	•	457 450	29 29	486 479	494 485	35 35	529 520
April, . May, .	• •	•	•		422	29	451	485 435	35 35	520 470
June, .	• •	:	:	:	394	29	423	427	85	462
July,				.	847	24	871	408	35	443
August,			•	•	382	26	408	406	85	441
September, October,		•	•	•	445 454	29 28	474 482	445 450	35 34	480 484
November.		•	:	:1	449	28	477	443	84	477
December,		•	:		451	28	479	469	33	502
GI	LUE,	ISI	NG	LAS	SS, ANI	D STAR	CH. [1	4 Establi	shments]
January,					445	50	495	444	54	498
February,				- [441	56	497	454	62	516
March,	• •	•	•	•	442 358	56 38	498 396	456 405	70 51	526 456
April, . May, .	• •	•	•	•	378	41	419	373	48	421
June, .	: :	:	:	: 1	283	82	815	303	38	841
July, .		•			238	16	254	232	24	256
August,				•	210	14	224	227	17	244
								234	15	249
September,		•		•	225	20	245			200
October,	: :	:	•		320	37	357	346	39	385
September, October, November, December,	:	: : ORK	:	:	320 351 501	37 38 36	357 389 537	346 366 455		385 405 508
October, November, December, HAI: January, February, March, April, June, July, September, October, November,	R W	ORK	:	:	320 351 501	37 38	357 389 537	346 366 455	39 39 53	385 405 508
Detober, November, December, December, December, HAI January, February, March, April, July, August, Detober, November, December, December, January, February, March, April, May, July, April, July, July, July, August, July, July, July, July, August,	HOSS	:	RUI	BBI	91 90 90 100 100 100 100 100 100 101 96 91 101 96 91 108 101 101 101 101 101 101 101 101 10	37 38 38 36 ND HUM 106 105 102 104 122 133 117 117 113 120 112 114 116 EN, ETC	357 389 537 IAN). 197 195 192 207 229 243 215 225 213 210 207 C. [5 F	93 97 103 101 107 100 104 104 97 98 96 96 217 203 170 173 174 172 169	39 39 53 blishment 107 106 105 101 102 96 99 104 111 108 110 109 nents.]	200 203 208 202 209 196 203 208 206 205 229 265 218 221 218 218
October, November, December, December, HAI January, February, March, April, July, September, December, December, January, February, March, August, September, July, July, July, July, July, July, July, July, July, July, September,	HOSS	E:	RUJ	BBI	320 351 501 MAL AI 91 90 90 90 103 107 110 106 102 105 101 96 91 SR, LIN 169 146 171 168 161 154 139 124	37 38 38 38 38 38 38 38 38 38 38	1AN). 197 195 192 207 229 243 223 215 210 207 C. [5 F 188 173 203 197 191 184 167 150 146	93 97 103 101 107 100 104 104 97 98 96 96 217 203 170 173 174 172 169 158	39 39 53 blishment 107 106 105 101 102 96 99 104 111 108 110 110 109	200 203 208 208 208 208 205 218 224 221 218 216 206
October, November, December, December, HAI January, February, March, April, July, September, October, November, December, January, February, March, Agril, May, January, March, Agril, May,	HOS	:	RUI	BBI	91 90 90 100 100 100 100 100 100 101 96 91 101 96 91 108 101 101 101 101 101 101 101 101 10	37 38 38 36 ND HUM 106 105 102 104 122 133 117 117 113 120 112 114 116 EN, ETC	357 389 537 IAN). 197 195 192 207 229 243 215 225 213 210 207 C. [5 F	93 97 103 101 107 100 104 104 97 98 96 96 217 203 170 173 174 172 169	39 39 53 blishment 107 106 105 101 102 96 99 104 111 108 110 109 nents.]	200 203 208 202 209 196 203 208 206 205 229 285 218 221 218 218

HOSIERY AND KNIT GOODS. [40 Establishments.]

-					1890			1891	
	MONTH	B.		Males	Females	Total	Males	Females	Total
January,				1,112	2,746	3,858	1,243	3,658	4,90
ebruary,		•	: :	1,141	2,924	4,065	1,326	3,835	5.16
darch.				1,151	3,083	4,234	1,387	3,920	5,30
April, . May, .		•		1,135	3,031	4,166	1,366	3,955	0,32
Aay, .		•	: :	1,097	2,787	3,884	1,303	3,868	5,17
une,		•	• •	1,101	2,844	8,945	1,322 1,355	3,715	5,03
uly, . August,	• •	•		1,080 1,056	2,820 2,734	3,900 3,790	1,314	3,607 3,598	4,96 4,91
leptember,	• •	•	: :	1,138	2,980	4,118	1,374	3,635	5,00
October,	: :	:	: :	1,177	3,145	4.322	1,365	3,892	5,25
Tovember,		•		1.237	3,086	4,323	1,406	3,934	5,34
December,	• •	•	• •	1,186	3,034	4,220	1,358	3,877	5,23
	INK,	MU	CILA	GE, AN	D PAST	E. [8]	Establish	ments.]	
anuary,				64	48	112	64	49	11
ebruary,		•		64	48	112	64	49	11:
farch,		•		66 67	49 51	115 118	65 65	51 51	11 11
ipril, . Iay, .	: :	:	: :	67	51	118	65	51	ii
une,	: :	÷.	: :	67	51	118	65	51	ii
uly, .		·		66	46	112	64	49	11
ugust,				66	46	112	64	46	11
eptember,		•		67	47	114	66	50	11
ctober, ovember,		•		67	50	117	66	53	11
				l aa	1 10				11
December,	• •	:	: :	66 65	49 49	115 114	65 64	51 49	11:
December,	• •	: ONE	• •	LL, AN	49 49	115 114 N GOOI	65 64	51	116 113 s ta b-
IVOR	• •	: ONE	• •	ELL, AN	49 49 TD HOR shments.	115 114 N GOOI	65 64	51 49 [13 E:	11:
IVOR	• •		, shi	65 CLL, AN li 396 430	49 49 TD HORI shments.	115 114 N GOOI	05, ETC	51 49 2. [13 E:	11: stab-
IVOR snuary, ebruary, (arch,	• •		, shi	ELL, AN 11 396 430 438	49 49 TD HORI shments.	115 114 N GOOI]	05, ETC	. [13 E	112 stab-
IVOR snuary, ebruary, [arch, pril	• •		, shi	65 ELL, AN 11 396 430 438 420	49 49 TD HOR shments.	115 114 N GOO] 3 468 509 515 485	65 64 OS, ETC	51 49	11 stab- 49 52 53
IVOR anuary, beruary, arch, pril, lay,	Y, B(, SHI	65 ELL, AN 11 396 430 438 420 406	49 49 TD HORI shments.	115 114 N GOOI] 468 509 515 485 469	65 64 OS, ETC 426 446 447 426 447 426 407	51 49 [13 E: 72 74 83 79 78	11: stab- 49: 52: 53: 48:
IVOR anuary, bruary, larch, pril, lay, une,	• •		, SHI	65 ELL, AN 11 396 430 438 420	72 79 77 65 63 55 62	115 114 N GOO] 3 468 509 515 485	65 64 OS, ETC 426 446 447 428	51 49	11. stab- 49: 52: 53: 548: 48:
IVOR anuary, abruary, arch, pril, ay, une, une, unue, ungust,	Y, B(, SHI	65 ELL, AN 11 396 430 438 420 406 357 375 413	72 77 65 63 55 62 60	115 114 N GOOI] 468 509 515 485 489 412 437 473	65 64 OS, ETC 426 446 447 426 407 406 402 885	72 74 83 79 78 66	11. stab- 49: 52: 53: 50: 48: 48: 48: 48:
IVOR anuary, bruary, farch, pril, tay, une, uly, uly, tugust, eptember,	Y, B(, SHI	65 ELL, AN 11 396 430 438 420 406 357 875 413 403	TD HORI shments.	115 114 N GOOI] 468 509 515 485 489 412 437 473 473	426 446 447 426 406 402 385 401	72 74 83 79 78 77 78 66 68	49: 52: 53: 48: 48: 48: 48: 48: 48: 48:
anuary, ebruary, arch, pril, asy, une, uly, ctober,	Y, BO		, SHI	65 CLL, AN 11 396 430 438 420 406 357 875 413 403 363	72 79 77 65 63 65 60 73 66	115 114 N GOO] 468 509 515 485 480 412 437 473 476 429	65 64 OS, ETC 426 446 447 426 407 406 402 385 401 419	72 74 83 79 78 78 66 68 72	5tab- 49 52 53 50 48 48 48 46 49
IVOR anuary, ebruary, farch, pril, . ay, . une, . uly, . ugust, epiember, ctober, ovember,	Y, BO		, SHI	65 ELL, AN 11 396 430 438 420 406 357 375 413 403 363 363	72 77 65 63 55 62 60 73 66 60	115 114 N GOOI] 468 509 515 485 485 402 412 437 476 429 422	426 446 447 426 407 408 402 885 401 419 438	72 74 83 79 78 77 78 66 68 72 70	11 \$tab- 49 52 53 50 48 48 48 46 49 50
anuary, ebruary, farch, pril, . ay, . une, . uly, . ugust, epiember, ctober, ovember,	Y, BO		, SHI	65 CLL, AN 11 396 430 438 420 406 357 875 413 403 363	72 79 77 65 63 65 60 73 66	115 114 N GOO] 468 509 515 485 480 412 437 473 476 429	65 64 OS, ETC 426 446 447 426 407 406 402 385 401 419	72 74 83 79 78 78 66 68 72	11: stab- 49: 52: 53: 50: 48: 48: 48: 48: 48: 49: 50:
IVOR anuary, ebruary, farch, pril, . ay, . une, . uly, . ugust, epiember, ctober, ovember,	Y, BO		, SHI	65 ELL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356	72 77 65 63 55 62 60 73 66 60	115 114 N GOOI] 468 509 515 489 417 473 473 473 473 473 474 429 422 417	65 64 OS, ETC 426 446 447 426 407 406 402 885 401 419 436 448	72 74 83 79 78 77 78 66 68 72 70	11: stab- 49: 52: 53: 50: 48: 48: 48: 48: 48: 49: 50:
IVOR anuary, ebruary, arch, pril, ay, une, uly, ugust, eptember, ctober, ovember, ecember,	Y, BO		, SHI	65 CLL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356	49 49 49 TD HORI shments. 72 79 77 65 65 62 60 73 66 60 61	115 114 N GOOI] 468 509 515 485 489 412 437 473 473 473 473 473 473 474 475 429 422 417	65 64 OS, ETC 426 446 447 426 407 408 885 401 419 436 448	72 74 83 77 78 66 68 72 70 70	11: \$tab- 499 522 530 481 484 486 499 500 518
anuary, ebruary, iarh, pril, ias, une, ungust, eptember, covember, ecember,	Y, BO		, SHI	65 ELL, AN 11 396 430 438 420 406 357 375 413 403 363 363 362 356 FHER.	TD HORI shments. 72 79 77 65 63 55 62 60 73 66 60 61	115 114 N GOOI] 468 509 515 489 412 437 473 473 473 473 473 473 473 473 473	65 64 OS, ETC 426 446 447 426 407 408 401 419 436 448 ents.]	72 74 83 79 78 77 78 66 68 72 70 70	499 522 538 488 488 484 457 460 508 5,622 5,810
anuary, ebruary, farch, pril, tay, une, uly, covember, cober, ovember, eccember, ebruary, anuary, anuary,	Y, BO		, SHI	65 ELL, AN 11 396 430 438 420 406 357 375 413 403 363 363 362 356 FHER.	49 49 49 TD HORI shments. 72 79 77 65 63 55 62 60 73 66 60 61	115 114 N GOOI] 468 509 515 485 489 412 437 473 473 473 473 473 473 474 475 429 422 417	65 64 OS, ETC 426 446 447 426 407 408 401 419 436 448 ents.]	72 74 83 79 78 77 78 66 68 72 70 70 133	499 522 538 488 488 484 457 460 508 5,622 5,810
anuary, ebruary, arch, pril, iaue, iugust, eptember, ctober, ovember, evecember, ebruary, arch,	Y, BO		, SHI	65 ELL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356 FHER. 5,784 6,094 6,106 6,156 6,152	72 77 65 63 55 62 60 61 [154 Est	115 114 N GOOI] 468 509 515 485 480 412 437 473 473 473 474 474 422 427 417 ablishme	65 64 OS, ETC 426 446 447 426 407 408 402 402 438 449 438 448 ents.]	72 74 83 79 78 77 78 66 68 72 70 70 70	11: 49: 52: 53: 50: 48: 48: 48: 49: 50: 51: 5,82: 5,81: 5,83: 5,83: 5,83:
anuary, ebruary, farch, pril, une, uly, covember, covernber, eccember, eccember, anuary, ebruary, arch, pril, arch, pril, ay, une, une, une, une, une, une, une, une	Y, BC		LEA	65 ELL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356 FHER. 5,784 6,094 6,106 6,166 6,166 6,166 6,166 6,166	TD HORI shments. 72 79 77 65 63 55 62 60 73 66 60 61 [154 Est 86 92 86 111 125 125	115 114 N GOOI] 468 509 515 485 489 412 437 473 473 473 473 429 422 417 ablishme	65 64 OS, ETC 426 446 447 426 407 408 401 419 436 401 419 436 5,677 5,603 5,677 5,741 5,561 5,741 5,561 5,741 5,561	120 125 125 125 125 122 122	499 522 530 481 484 484 451 461 49 500 511 5,831 5,835 5,632
anuary, ebruary, farch, pril, fuy, eugust, eptember, foto	Y, B(, SHI	65 CLL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356 CHER. 5,784 6,094 6,103 6,166 6,152 6,303 6,300	49 49 49 49 49 TD HORI shments. 72 79 77 65 62 60 61 61 [154 Est 86 92 86 111 125 125 127	115 114 N GOOI] 468 509 515 480 412 437 473 473 473 473 473 473 473 473 473	65 64 0S, ETC 426 446 447 426 407 406 402 385 401 419 436 448 ents.]	72 74 83 79 78 77 78 66 68 72 70 70 120 133 125 122 122 124	11: 49: 52: 58: 50: 48: 48: 46: 49: 50: 5,82: 5,83: 5,83: 5,83: 5,60: 5,46:
anuary, ebruary, farch, pril, tay, une, uly, covember, covernber, eccember, ebruary, arch, pril, anuary, ebruary, arch, pril, anuary, elecumber, elecumber,	Y, B(LEA	65 CLL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356 FHER. 5,784 6,094 6,106 6,156 6,156 6,303 6,300 6,288	49 49 49 TD HORI shments. 72 79 77 65 63 55 62 60 61 60 61 61 [154 Est 86 111 125 125 127 111	115 1114 N GOOI 468 509 515 485 489 417 473 473 473 473 473 474 422 417 ablishme 5,870 6,192 6,287 6,287 6,287 6,288 6,287 6,288 6,297	65 64 0S, ETC 426 446 447 426 407 408 401 419 438 401 419 436 448 ents.] 5,503 5,677 5,806 5,741 5,561 6,478 5,345 5,345 5,318	120 133 125 125 122 122 122 128	499 522 530 481 484 454 464 49 500 511 5,831 5,831 5,836 5,636 5,436 5,436 5,436 5,436 5,436
anuary, ebruary, larh, pril, lay, une, une, ctober, ctober, ctober, ctober, ctober, ctober, pril, anuary, ebruary, arch, pril, ary, une, une, une, une, une, une, une, une	Y, B(LEA	65 ELL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356 FHER. 5,784 6,094 6,103 6,166 6,152 6,303 6,300 6,288 5,835	49 49 49 49 49 49 TD HORI shments. 72 79 77 65 62 60 61 61 [154 Est 86 92 86 111 125 127 111 117	115 114 N GOOI] 468 509 515 489 417 473 473 476 422 417 ablishme 5,870 6,192 6,192 6,297 6,217 6,227 6,289 5,989	65 64 OS, ETC 426 446 447 425 407 408 402 885 401 419 436 448 ents.] 5,503 5,677 5,806 5,741 5,561 5,561 5,345 5,345 5,318	1. [13 E. 120 133 125 122 124 126 120	11: 49: 52: 53: 50: 48: 48: 46: 49: 50: 5,82: 5,83: 5,83: 5,83: 5,63: 5,63: 5,63: 5,64: 5,44:
anuary, ebruary, farch, pril, une, uly, covember, covernber, eccember, eccember, anuary, ebruary, arch, pril, arch, pril, ay, une, une, une, une, une, une, une, une	Y, B(LEA	65 CLL, AN 11 396 430 438 420 406 357 375 413 403 363 362 356 FHER. 5,784 6,094 6,106 6,156 6,156 6,303 6,300 6,288	49 49 49 TD HORI shments. 72 79 77 65 63 55 62 60 61 60 61 61 [154 Est 86 111 125 125 127 111	115 1114 N GOOI 468 509 515 485 489 417 473 473 473 473 473 474 422 417 ablishme 5,870 6,192 6,287 6,287 6,287 6,288 6,287 6,288 6,297	65 64 0S, ETC 426 446 447 426 407 408 401 419 438 401 419 436 448 ents.] 5,503 5,677 5,806 5,741 5,561 6,478 5,345 5,345 5,318	120 133 125 125 122 122 122 128	stab-

PERSONS EMPLOYED: BY INDUSTRIES - Continued. AGGREGATES, BY MONTHS - 1890, 1891 - Continued. LIQUORS AND BEVERAGES (NOT SPIRITUOUS). [12 Estab-

						11	shments.]			
							1890			1891	
	Mo	ONTH	8.			Males	Females	Total	Males	Females	Total
January,	•		•			90	-	90	98	_	98
February,	•	•	•	•	•	90 88	-	90 88	98	-	98 102
March, April, .	•	•	•	•	:	100	-	100	102 112	-	112
May,	:	:	:	·		116	_	116	128	- 1	128
June, .						146	-	146	151	- 1	351
July,	•	•	•	•	•	153	-	153	164	-	164
August, Beptember,	•	•	•	•	•	154 131	-	154 131	162 139		162 139
October,	•	:	:	:	:	110	_	110	127	-	127
November,			•	:	:	92	-	92	117	i - 1	117
December,	•	•	•	•	•	96	-	96	104	-	104
LIQU	OI	RS:	M	ALT	, E		ED, AN shments.	_	MENTEI). [49 E	Estab-
January,						875	2	877	902	2	904
February,	:	•	•	•	•	874	2	876	905	2	907
March,				·		852	2	854	917	2	919
April						879	1	880	958	2	960
May, .	•	•	•	•	•	892	1	893	984	3	987
June, .	•	•	•	•	•	912 959	1 2	913 961	1,018 1,065	3 8	1,021 1,068
July, August,	:	•	•	:	:	971	2	973	1,067	2	1,069
September,		:	:	:		960	2	962	1,061	2	1,063
October,	•		•	•		981	2	983	1,108	1 2 1	1,110
November,	•	•	•	•	•	973	2	975	1,073	2	1,075
December,	•	•	•	•	•	902	2	90-1	998	2	1,000
				I	LUN	BER.	[25 Esta	blishmer	its.]	_	
January,						655	25	680	604	25	629
February,			•	•		649	23	672	617	25	642
March,		•	•	•		698	23	721	686	26	712
April, .	•	•	•	•	•	734	24 23	758	751	25	776
May, . June, .	•	•	•	•	•	742 729	23 24	765 753	749 734	10 10	759 741
July, .	:	•	•	:	:	722	7	729	783	l ii l	794
August,	:		:		:	728	6	734	748	ii	759
September,	, .			•	•	765	25	790	778	11	789
October,	•	•	•	•	•	803	25	828	793	10	803
November, December,	:	:	:	:	:	803 717	24 24	827 741	882 730	11	893 741
	M.	ACI	IIN	ES	AN	D MAC	HINERY	7. [263	Establis	hments]	
							Ī	.,	1	T	10.55
January,	•	•	. •	•	•	15,146	145 151	15,291 15,206	15,951	163 165	16,114
February, March,	:	•	•	•	•	15,055 15,097	156	15,253	15,776 15,757	167	15,941 15,924
April.	:	:	:	:		15,182	155	15,337	15,923	163	16,086
May, .		•		:	:	15,148	162	15,310	16,053	163	16,216
June		•		•	•	15.176	157	15,333	15,942	160	16,102
July,		٠	•	•	•	15,273	149	15,422	15,839	155	15,994
August,	•	•	٠	•	•	15,447 15,781	152 168	15,599 15,949	15,799 15,980	140 157	15,939 16,137
September October,	•	:	:	•	:	16,271	176	16,447	16,142	155	16,137
November,	.:	:	:	:	:	16,462	177	16,639	16,062	156	16,218
December	• [-	-	-	-	16 302	160	18 561	15,053	154	16 107

112 STATISTICS OF MANUFACTURES. [Pub. Doc.

PERSONS EMPLOYED: BY INDUSTRIES—Continued. AGGREGATES, BY MONTHS—1890, 1891—Continued. METALS AND METALLIC GOODS. [277 Establishments.]

ME	TAI	78 E	AND	M	ETALLI	C G001	JS. [27	7 Establi	snments.	· J
						1890			1891	
	IONTH				Males	Females	Total	Males	Females	Tota
January, .	•	•			15,496	1,406	16.902	15.745	1,529	17.27
ebruary, .					15,460	1.408	16,902 16,868	15,745 15,742 15,701 15,780	1,499	17,27 17,24 17,22
darch, .			•		15,474	1,428	14.902	15,701	1,528	17,22
April,		•			15,361	1.423	16,784	15,780	1,529	17,80
lay,	•	•	•	•	15,393	1,394	16,784 16,787 16,873	10,000	1,496	17,18
une,		•	•	•	15,461	1,412	16,873	15,638	1,470	17,10
uly,	•	•	•	•	15,330	1,385	16,715	15,623	1,460	17,08
ugust, .	•	•	•	•	15,555	1,426	16,981	15,700	1,457	17,15
eptember, .	•	•	•	•	15,882	1,454	17,336	16,109	1,485	17,59
ctober, .	•	•	•	•	16,092	1,475	17,567	16,468	1,473	17,94
lovember, .	•	•	•	•	16,186	1,476	17,662	16,487 16,349	1,497	17,98
December, .	•	•	•	•	16,214	1,479	17,693	10,349	1,507	17,85
		MI	XE	D '	TEXTIL	ES. [18	B Establi	shments.	3	
anuary, .		•			591	235	826	557	231	78
ebruary, .			•		594	242	836	560	236	79
larch, .	•	•	•	•	612	243	855	619	244	86
pril, lay,			•	•	594	249	843	623	250	87
lay,	•	•	•	•	584	234	818	597	248	84
une,	•	•	•	•	576	224	800	598	241	88
uly,	•	•	٠	•	569	225 229	794 800	572	228	80
ugust, .	•	•	•	•	571	248		547	218 214	76
eptember, . ctober, .	•	•	•	•	584 600		832 841	506	205	72
clober	•	•	•	•		241		515		72
Torrow how								973	900	71
lovember, .	:	:	:	•	615 621	239 260	854 881	518 590	200 239	71 82
lovember, .	:	<u>.</u>	: LS	•	621	260	881	ablishme	239	71 82
ovember, .	: M(<u>.</u>	: :LS	•	621	TERNS.	881	590	nts.]	82
ovember, .	: M(<u>.</u>	: ::::::::::::::::::::::::::::::::::::	•	621 ND PAT	260	· [5 Est	ablishme	239	82
anuary, . ebruary, . farch, .	: M(<u>.</u>	: ::::::::::::::::::::::::::::::::::::	•	621 ND PAT 40 39 39	260 TERNS.	* [5 Est	40 39 41	nts.]	82
anuary, . ebruary, . [arch,	: M(<u>.</u>	: ::::::::::::::::::::::::::::::::::::	AN	621 ND PAT 40 39 39 39	TERNS.	* [5 Est	40 39 41 40	nts.]	85
anuary, ebruary, ebruary, arch, pril, asy,	: M(<u>.</u>	: :: : :	AN :	621 ND PAT 40 39 39 39 38	TERNS.	* [5 Est	40 39 41 40 41	nts.]	85
anuary, ebruary, (arch, pril, iay,	: M(DDE	:	AN	621 ND PAT 40 39 39 39 38 38	TERNS.	* [5 Est	40 39 41 40 41 40 38	nts.]	82
anuary, ebruary, . larch, . pril, . lay, . lay, . lay, . lune, . luly, .	: M(DDE	: ::::::::::::::::::::::::::::::::::::	AN	621 ND PAT 40 39 39 39 39 38 36 36	TERNS.	* [5 Est 41 40 40 40 39 37 37	40 39 41 40 41 38 40 41	nts.]	82
anuary, ebruary, iarch, pril, a lay, une, ugust, ugust,	: M(DDE	:	AN	621 ND PAT 40 39 39 39 38 36 36 36 39	TERNS.	* [5 Est 41 40 40 40 39 37 37 40	40 39 41 40 41 38 40 41 40 41	nts.]	82
anuary, ebruary, larch, spril, sky, sune,	: M(DDE	:	AN	621 ND PAT 40 39 39 39 38 36 36 39 43	TERNS.	* [5 Est 41 40 40 40 39 37 37 40 44	40 40 41 40 41 40 41 40 40 40 40 40 40 40 40 40 40 40 40 40	nts.]	82
anuary, e- ecember, . anuary, e- elarch, . pril, ay, une, uly, ugust, . eptember, . ctober, .	: M(DDE	:	AN	621 ND PAT 40 39 39 38 36 36 36 39 43 42	260 TERNS.	* [5 Est 41 40 40 40 39 37 37 40 444 43	40 39 41 40 41 38 40 40 43 40	nts.]	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
anuary, ebruary, carch, ay, uly, uugust, cugust, covember, covembe		DDE	:	AN	621 ND PAT 40 39 39 39 38 36 36 39 43	260 TERNS.	* [5 Est 41 40 40 40 39 37 37 40 44	40 40 41 40 41 40 41 40 40 40 40 40 40 40 40 40 40 40 40 40	nts.]	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
anuary, ebruary, larch, epril,		DDE	:	AN	621 ND PAT 40 39 39 39 38 36 36 36 39 43 42 41	TERNS.	* [5 Est 41 40 40 40 39 37 37 40 44 43 43	40 40 39 41 40 41 38 40 40 43 40 43 40 43	nts.]	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
anuary, ebruary, larch, pril, alay, une, ully, cully, cotober, covember, eccember, ecc	:	DDE	:	AM	621 ND PAT 40 39 39 38 36 36 39 43 42 41 39	260 TERNS.	* [5 Est 41 40 40 40 39 37 40 44 43 43 41	40 39 41 40 41 38 40 40 43 44 43 44 43 44 43 41	nts.]	85 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
anuary, ebruary, larch, larch, larch, lune, lune, lune, lugust, eptember, ctober, eccember, lecember, lugust,	:	DDE	:	AM	621 ND PAT 40 39 39 38 36 36 39 42 41 39 NTS AN	TERNS. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* [5 Est 41 40 40 40 40 39 37 37 40 44 43 43 41	40 39 41 40 41 38 40 40 43 41 43 41 5. [46 E	239 nts.] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	83 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
anuary, ebruary, corember, anuary, ebruary, arch, pril, ay, uly, ugust, covember, ecember, MUSICA anuary, ebruary, ebruary, ebruary, ebruary,	:	DDE	:	AM	621 ND PAT 40 39 39 38 36 36 39 43 42 41 39 NTS AN 2,773 2,773	TERNS. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* [5 Est 41 40 40 40 39 37 37 40 44 43 43 41] **EERIALS**	39 41 40 40 40 40 43 40 43 41 41 5. [46 E	239 nts.] 1 1 1 1 1 1 1 1 1 1 1 1 7 5 stablishr	83 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
anuary, ebruary, larch, covember, anuary, ebruary, larch, larch, larch, lune, uue, uue, uue, uugust, ctober, ctober, ctober, ctober, dovember, ctober, eptember, ctober, dovember, ctorem, MUSICA	:	DDE	:	AM	621 VD PAT 40 39 39 38 38 36 36 36 39 43 42 41 39 NTS AN 2,773 2,773 2,773 2,821	76 76 78	* [5 Est 41 40 40 40 40 39 37 40 444 43 43 41 **ERIALS** 2,849 2,849 2,849 2,849 2,849	40 49 41 40 43 40 43 41 43 41 43 41 2,617 2,617 2,623	239 nts.] 1 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7 7	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 7 8 8 8 8 8
anuary, ebruary, larch, covember, anuary, ebruary, larch, larch, larch, lune, uue, uue, uue, uugust, ctober, ctober, ctober, ctober, dovember, ctober, eptember, ctober, dovember, ctorem, MUSICA	:	ODE	RU	AN	621 ND PAT 40 39 39 38 36 36 37 42 41 39 NTS AN 2,773 2,773 2,821 2,825	TERNS. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* [5 Est 41 40 40 39 37 37 40 44 43 43 41 **ERIALS** 2,849 2,989 2,999 2,999 2,999	390 ablishme 40 39 41 40 41 38 40 43 40 43 41 3. [46 E	239 nts.] 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7 7 7	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 7 2,75 2,69 2,70 2,70 2,70 2,70 2,70 2,70 2,70 2,70
anuary, elecember, anuary, elecember, arch, pril, sy, une, uly, ctober, ctober, ovember, ecember, ecember, danuary, elecember, anuary, arch, pril, arch, pril, arch, pril, arch, pril, arch, pril, arch, pril, arch,	:	ODE	RU	AN	621 VD PAT 40 39 39 38 36 36 39 42 41 39 NTS AN 2,773 2,773 2,821 2,825 2,825 2,825	TERNS. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* [5 Est 41 40 40 40 40 39 37 40 41 43 43 41 **ERIALS** 2,849 2,899 2,902 2,899 2,902	39 41 40 40 43 40 43 41 43 41 2.617 2.623 2.633 2.603	239 nts.] 1 1 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 7 7 7 7 7
anuary, ebruary, larch, cugust	:	ODE	RU	AN	621 ND PAT 40 39 39 38 36 36 36 39 43 42 41 39 NTS AN 2,773 2,7821 2,822 2,823 2,793	TERNS. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* [5 Est 41 40 40 39 37 37 40 44 43 43 41 **ERIALS** 2,849 2,899 2,879 2,879 2,879 2,875	390 ablishme 40 39 41 40 41 38 40 43 40 43 41 3. [46 E 2.671 2.617 2.623 2.633 2.633 2.583	239 nts.] 1 1 1 1 1 1 1 1 1 1 1 1 7 7 7 7 5 73 74	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 2,75 2,69 2,70 2,70 2,67 2,67
anuary, - 'ebruary, - 'actober, - 'ovember, - 'ctober, - 'ovember, - 'ebceember, - 'ebceember, - 'ebcember, - 'ebcember, - 'ebruary, - 'ebruary, - 'ebruary, - 'ebruary, - 'ebruary, - 'ebruary, - 'elruary, - 'el	:	ODE	RU3	AN	621 VD PAT 40 39 39 38 36 36 39 43 42 41 39 NTS AN 2,773 2,821 2,823 2,797 2,804	TERNS. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* [5 Est 41 40 40 40 39 37 37 40 44 43 43 41 **ERIALS** 2,849 2,899 2,902 2,875 2,889 2,889 2,875 2,889	39 41 40 40 40 43 40 43 441 41 2,617 2,617 2,623 2,633 2,551	239 nts.] 1 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7 7	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 7 4 4 4 4
anuary, ebruary, farch, sugust, cotober, cotober, cotober, cotober, cetaber, corember, cotobe	:	ODE	RU	AN	621 VD PAT 40 39 39 38 38 36 36 36 37 41 41 39 NTS AN 2,773	TERNS. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* [5 Est 41 40 40 39 37 37 40 44 43 43 41 **ERIALS** 2,849 2,899 2,902 2,899 2,972 2,875 2,883 2,830	390 40 39 41 40 41 38 40 43 40 43 41 3. [46 E 2,671 2,617 2,623 2,633 2,683 2,583 2,551 2,519	239 nts.] 1 1 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7	82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 2,75 2,69 2,70 2,60 2,70 2,65 2,62 2,62 2,63
anuary, ebruary, larch, covember, anuary, ebruary, larch, anuary, ebruary, lay, anuary, ectober, MUSICA anuary, ebruary, anuary, ebruary, anuary, anuary, euly, anuary,	:	DDE	RU	AN	621 VD PAT 40 39 39 38 36 36 37 42 41 41 39 NTS AN 2,773 2,821 2,273 2,2823 2,797 2,824 2,783 2,804 2,783 2,804	TERNS. 1	* [5 Est 41 40 40 39 37 37 40 44 43 43 41 **ERIALS** 2,849 2,899 2,972 2,899 2,875 2,883 2,883 2,883 2,883	390 40 39 41 40 40 43 40 43 40 43 41 3. [46 E	239 nts.] 1 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7 7	1 82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
anuary, ebruary, iarch, une, une, cobern, coecember, co	:	ODE	RU	AN	621 VD PAT 40 39 39 38 36 36 39 42 41 39 NTS AN 2,773 2,773 2,821 2,823 2,797 2,804 2,753 2,753 2,803 2,753 2,803 2,853 2,853 2,853 2,853 2,853	76 78 77 77 80	* [5 Est 41 40 40 40 40 40 40 40 40 40 40 40 40 40	2,671 2,617 2,623 2,633 2,583 2,581 2,612 2,637	239 nts.] 1 1 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7	82 4 4 4 4 4 4 4 4 4 4 4 4 4
Anuary, 'ebruary, I anuary, 'ebruary, I anuary, 'eprember, 'ovember, 'ovember, 'ovember, 'une, '	:	DDE	RU	AN	621 VD PAT 40 39 39 38 36 36 37 42 41 41 39 NTS AN 2,773 2,821 2,273 2,2823 2,797 2,824 2,783 2,804 2,783 2,804	TERNS. 1	* [5 Est 41 40 40 39 37 37 40 44 43 43 41 **ERIALS** 2,849 2,899 2,972 2,899 2,875 2,883 2,883 2,883 2,883	390 40 39 41 40 40 43 40 43 40 43 41 3. [46 E	239 nts.] 1 1 1 1 1 1 1 1 1 1 7 7 7 7 7 7 7 7 7	711 82 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

PERSONS EMPLOYED: BY INDUSTRIES—Continued. AGGREGATES, BY MONTHS—1890, 1891—Continued. OILS AND ILLUMINATING FLUIDS. [9 Establishments.]

							1890			1891	
	Mon	THS				Males	Females	Total	Males	Females	Total
January, February,	:	:	•	:	:	183 184	15 15	198 199 200	212 212	28 28 28	240 240
March, April,	:	:	:	:	:	185 145	15 15	160	151 145	28	179 178
May, .					·	142	13	155	145	· 27	. 172
June, .	•	•	•	•	•	130	18	143	139	18	157
July, August,	•	•	•	•	:	131 133	13 13	144 146	134 130	18 18	152 148
September,		:	:	:	: :	138	14	152	131	19	150
October,						145	14	159	187	18	155
November,	•	•	•	•		194	14	208	142	19	161
December,	•	•	<u>·</u>	•	•	194	14	208	210	28	238
PAINTS	s, c	:01	OI	RS,	AN	D CRUI	DE CHE	MICAL	3. [16 E	Establishr	nents.]
January, February,			•	•	•	231 232	17 18	248 250	211 224	15 14	226 238
March,	:	:	:	:	:	239	19	258	227	14	241
April, .		•	•	•		231	20	251	237	14	251
May, .	•	•	•	•	•	230 219	21 20	251 239	243	19	262
June, . July, .	•	•	•	•	:	217	20	239	243 226	16 14	. 259 240
August,	:	:	:	:	·	217	19	236	224	15	239
						211	17	228	230	13	243
September,	. •	•	•	•	•						
October,		:	:	:	:	215	16	231	229	12	241
September, October, November, Desember,	:	:	:			215 216 224	16 16 17	231 232 241	229 219 208	12 11 11	241 230 219
October, November,	PA	PE	ER :	:	:	216 224	16	232 241	219	11 11	230
October, November, December, December, January, February, March, April, May, July, September, October, November, December, January, February, March, April, May, June, June, June, June, June, June, June, September,	PA			AN	OIL	216 224 PAPER 5,205 5,215 5,236 5,236 5,240 5,240 5,292 6,386 5,377 ET AR	GOODS. 4,243 4,262 4,262 4,267 4,298 4,311 4,243 4,281 4,406 4,406 4,406 4,404 FICLES, 27 27 28 28 28 28 28 28 28 28 29	232 241 [102 F 9,448 9,477 9,503 9,532 9,536 9,438 9,471 9,600 9,608 9,772 9,871 ETC.	219 208 208 5,382 5,395 5,395 5,425 5,401 5,401 5,412 5,424 5,466 5,425 [4 Estab	nents] 4,521 4,538 4,560 4,514 4,505 4,495 4,439 4,382 4,454 4,555 4,560 4,572 clishment 21 22 22 23 23 23 23 23 23 24	9,903 9,933 9,954 9,913 9,930 9,808 9,792 10,025 9,997
October, November, December, January, February, March, April, July, August, September, October, November, December, PEJ January, February, March, April, July, August, August, August, August, August,	PA			AN T(OIL	216 224 PAPER 5,205 5,213 5,226 5,195 6,195 6,240 5,240 5,240 5,240 5,240 7,77 7,77 7,77	GOODS. 4,243 4,262 4,267 4,290 4,298 4,311 4,243 4,281 4,360 4,406 4,416 4,494 FICLES, 27 27 27 28 28 28 28 28 28 28 28	232 241 [102 F 9,448 9,477 9,487 9,503 9,532 9,636 9,438 9,471 9,600 9,608 9,772 9,871 ETC.	219 208 Stablish 5,382 5,394 5,399 6,425 5,401 5,369 5,341 5,412 5,424 5,466 5,425 [4 Estab 12 12 12 12 12 12 12 12 12 12 12	ments] 4,521 4,538 4,560 4,514 4,505 4,495 4,439 4,382 4,454 4,555 4,560 4,572 clishment 21 21 22 22 23 23 23 23 23 22 22	9,903 9,903 9,933 9,933 9,913 9,808 9,908 9,908 9,908 9,908 9,908 9,908 9,908 9,908 9,908 9,908 9,908

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PERSONS EMPLOYED: BY INDUSTRIES—Continued. AGGREGATES, BY MONTHS—1890, 1891—Continued. PHOTOGRAPHS AND PHOTOGRAPHIC MATERIALS. [11 Establishments.]

	•			- 1		1890			1891	,
1	Монтн	8.		2	Lales	Females	Total	Males	Females	Total
January, .					92	59	151	81	60	14
ebruary,	·				92	59	151	81	59	14
larch,	•	•	•		92	61	153	85	- 60	. 14
April,	•	•	•	•	94	59	153	85	59	· 14
day,	•	•	•	•	98	61	159	84	59	· 14
une, .	•	•	•	•	98	63	161	84	62	14
uly,	•	•	•	•	92 84	57 51	149 135	73 69	59	13 12
Lugust, . September, .	•	•	:	:	93	56	149	75	54 61	13
October, .	•	:	:	:1	94	58	152	80	63	14
November, .	:		•		94	59	158	82	65	14
December, .	•	•	•	$\cdot $	99	65	164	87	67	15
	POI	LISE	IES	ANI	DR	ESSING	. [18 E	stablishn	nents.]	
anuary, .	•			$\overline{\cdot }$	125	64	189	128	88	21
ebruary, .	•	•	•	•	125	79	204	125	85	21
darch, .	•	•	•	•	127 131	101 103	228 234	120 117	98	20 · 21
April, May,	•	•	•	:	133	102	235	114	108	21
June,	•	:	:	:	134	107	241	113	110	22
July,		:	:		183	100	233	109	110	- 21
August, .		•			130	107	237	111	112	22
September, .		•		•	134	114	248	117	117	23
						112	246	120	113	28
October, .		•	•	•	134					
October, . November, . December, .	:	:	:	:	133 130	108 84	241 214	118 118	91 86	20 20
October, . November, . December, .	:	UBI	•	:	133 130	108 84	241 214	118 118	91	20
October, November, December, PRINTIN	:	UB1	•	IING	133 180 , ANI	108 84 D BOOK	241 214 BINDIN	G. [24	Establish	ment
October, November, December, PRINTIN January,	:	UBI	•	IING	133 180 , ANI	108 84 D BOOK 545 527	241 214 BINDIN	118 118 G. [24 1,207 1,199	91 86 Establish	ment
PRINTIN January, February, March,	:	TUBI	•	IING	133 130 , ANI 1,210 1,170 1,188	108 84 D BOOK 545 527 529	241 214 BINDIN 1,755 1,697 1,717	G. [24 1,207 1,199 1,174	91 86 Establish 643 578 544	1,85
PRINTIN January, February, March,	:	:	•	IING	133 130 , ANI 1,210 1,170 1,188 1,213	108 84 D BOOK 545 527 529 542	241 214 BINDIN 1,755 1,697 1,717 1,755	G. [24 1,207 1,199 1,174 1,186 1,212	91 86 Establish 643 578 544 542	1,85 1,77 1,71
PRINTIN January, February, March, April, May,	:	:	•	IING	133 130 , ANI 1,210 1,170 1,188 1,213 1,205	108 84 D BOOK 545 527 529	241 214 BINDIN 1,755 1,697 1,717 1,755 1,782	G. [24 1,207 1,199 1,174 1,186 1,212	91 86 Establish 643 578 544	1,85 1,77 1,71 1,72 1,71
Detober, November, December, ecember, December December December December December December December December December December, December	:	:	•	IING	133 130 , ANI 1,210 1,170 1,188 1,218 1,205 1,235 1,207	108 84 D BOOK 545 527 529 542 527 528 527	241 214 BINDIN 1,755 1,797 1,717 1,756 1,732 1,763 1,784	118 118 118 1207 1,1207 1,174 1,186 1,212 1,229 1,253	86 843 643 644 642 666 686 686 686 686	1,85 1,77 1,77 1,77 1,81 1,78
October, November, . December, . December, . PRINTIN January, . Sebruary, . March, . April, . May, . June, . July, . August, .	G, P	:	•	IING	133 130 , ANI 1,210 1,170 1,188 1,213 1,205 1,235 1,207 1,170	108 84 D BOOK 545 527 529 542 527 528 527 519	241 214 BINDIN 1,755 1,697 1,717 1,755 1,782 1,763 1,784 1,689	G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211	91 86 Establish 643 578 544 542 565 586 535 535	1,85 1,77 1,71 1,72 1,77 1,81 1,78
October, November, December, December, PRINTIN January, February, March, April, June, Jule, July, August, September,	G, P	:	LISH	IING	133 130 , ANI 1,210 1,170 1,188 1,213 1,205 1,205 1,207 1,170 1,174	108 84 D BOOK 545 527 529 542 527 528 527 519 548	241 214 BINDIN 1,755 1,697 1,717 1,756 1,783 1,783 1,784 1,689 1,722	G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237	86 843 643 643 644 642 665 686 635 632 564	1,85 1,77 1,71 1,72 1,77 1,81 1,78 1,74
Detober, November, December, December, December, December, December, December, December, December, Detober, Detober, December, Detober, December,	G, P	:	•	IING	133 130 1,210 1,170 1,188 1,213 1,205 1,235 1,207 1,174 1,174 1,188	108 84 D BOOK 545 527 529 542 527 528 527 519 548 572	241 214 BINDIN 1,755 1,697 1,717 1,755 1,732 1,763 1,784 1,689 1,722 1,769	118 118 118 118 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241	91 86 Establish 643 578 544 542 565 586 586 535 532 564 577	1,86 1,77 1,77 1,77 1,81 1,78 1,78 1,74 1,80
PRINTIN anuary, Pebruary, April, August, Peptember, October, Ovember, Ovember,	G, P	:	LISH	IING	133 130 , ANI 1,210 1,170 1,188 1,213 1,205 1,205 1,207 1,170 1,174	108 84 D BOOK 545 527 529 542 527 528 527 519 548	241 214 BINDIN 1,755 1,697 1,717 1,756 1,783 1,783 1,784 1,689 1,722	G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237	86 843 643 643 644 642 665 686 635 632 564	1,86 1,77 1,71 1,72 1,77 1,81 1,78 1,78 1,80
October, November, December,	G, P		LISH	IING	133 130 1, ANI 1,210 1,170 1,188 1,213 1,205 1,235 1,205 1,207 1,170 1,174 1,188 1,212 1,243	108 84 D BOOK 545 527 529 542 527 528 527 519 548 572 619 648 572 622 635	241 214 BINDIN 1,755 1,697 1,717 1,756 1,732 1,763 1,784 1,689 1,722 1,760	118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241 1,240 1,275	91 86 86 643 578 544 542 565 586 535 532 564 577 591 621	1,85 1,77 1,77 1,77 1,77 1,81 1,78 1,74 1,80 1,83 1,89
October, November, December,	G, P		LISH	IING	133 130 1,210 1,170 1,188 1,213 1,225 1,235 1,207 1,174 1,188 1,212 1,174 1,188	108 84 D BOOK 545 527 529 542 527 528 527 519 548 572 619 648 572 622 635	241 214 BINDIN 1,755 1,697 1,717 1,755 1,782 1,783 1,783 1,784 1,689 1,722 1,760 1,834 1,878	118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241 1,240 1,275	91 86 86 643 578 544 542 565 586 535 532 564 577 591 621	20
Detober, PRINTIN January, April, April, June, June, Juny, Peptember, Petober, Print Print Print Print Print Print Print Print Print Print Print Print Print Print	G, P		LISH	IING	133 130 1,210 1,170 1,188 1,213 1,205 1,235 1,207 1,170 1,174 1,184 1,212 1,212 1,243 WORK	108 84 D BOOK 545 527 529 542 527 528 527 519 548 572 622 635 KS, AND shments.	241 214 BINDIN 1,755 1,697 1,717 1,755 1,732 1,732 1,733 1,784 1,689 1,722 1,760 1,834 1,878 DBEEAG	118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241 1,240 1,275 CHERIE	Establish 643 578 544 542 565 586 632 564 577 591 621 S. [37]	1,85 1,77 1,77 1,77 1,77 1,81 1,78 1,74 1,80 1,83 1,89
Detober, November, PRINTIN Ianuary, PRINTIN Ianuary, April, Ianuary, Locaber, PRINT PRINT PRINT Ianuary, PRINT	G, P	RKS	LISH	IING	133 130 , ANI 1,210 1,170 1,188 1,213 1,205 1,205 1,207 1,170 1,170 1,178 1,188 1,212 1,243 VORK	108 84 D BOOK 545 527 529 542 527 519 548 572 622 635 CS, ANI shments.	241 214 214 214 214 215 217 217 217 217 217 217 217 217 217 217	118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241 1,240 1,275 CHERIE	Establish 643 578 544 542 565 586 535 532 564 577 591 621 S. [37]	1,85 1,77 1,71 1,77 1,77 1,81 1,78 1,74 1,80 1,81 1,83 1,89
Detober, November, December, G, P		LISH	IING	133 130 1,210 1,170 1,188 1,213 1,205 1,235 1,207 1,170 1,174 1,188 1,212 1,243 VORE	108 84 D BOOK 545 527 529 542 527 528 527 619 622 635 CS, ANI shments 1,092 1,112 1,129	241 214 214 BINDIN 1,755 1,697 1,717 1,756 1,732 1,763 1,784 1,689 1,722 1,760 1,834 1,878 DBEEAG	118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241 1,240 1,275 CHERIE	Establish 643 578 544 542 565 586 585 682 564 577 591 621 S. [37]	1,85 1,77 1,77 1,77 1,77 1,80 1,81 1,83 1,89 Estab	
PRINTIN January, Perintin January, Perintin January, Perintin January, January, January, January, Jeptimber, Jetober, Jetober, PRINT PRINT January, Jebruary, Jebruary, Jerobruary,	G, P	RKS	LISH	HING	183 130 , ANI 1,210 1,170 1,188 1,205 1,235 1,235 1,243 1,211 1,174 1,17	108 84 D BOOK 545 527 529 542 527 528 527 519 548 572 622 635 KS, ANI shments.	241 214 214 214 214 214 215 217 217 217 217 217 217 217 217 217 217	118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,240 1,275 CHERIE	Establish 643 578 544 542 565 686 532 564 577 591 621 S. [37]	1,85 1,77 1,77 1,77 1,81 1,78 1,74 1,80 1,81 1,83 1,89 Estab
Detober, November, December, December, PRINTIN January, February, January, January, Jeptember, December, December, December, December, Jeptember, , P	RKS	LISH	HING	183 130 , AN1 1,210 1,170 1,188 1,205 1,205 1,207 1,174 1,188 1,124 1,124 1,124 1,124 1,243 4,316 4,444 4,526 4,444 4,526	108 84 D BOOK 545 527 529 542 527 528 527 619 648 672 635 CS, ANI shments 1,092 1,112 1,129 1,148 1,102	241 214 214 BINDIN 1,755 1,767 1,715 1,732 1,763 1,734 1,689 1,722 1,780 1,878 0 BEEAG	118 118 118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241 1,240 1,275 CHERIE 4,423 4,484 4,117 4,145 4,019 3,964	Establish 643 578 544 542 565 586 585 682 564 577 591 621 S. [37]	1,86 1,17 1,17 1,77 1,77 1,77 1,80 1,180 1,183 1,80 5,66 5,67 5,10 5,10	
Detober, November, PRINTIN January, February, April, August, Luly, Luly, Petober, PRINT PRINT January, February, PRINT January, February, March, January, February, March,	G, P	RKS	LISH	HING	183 180 , AN1 1,210 1,170 1,188 1,205 1,205 1,207 1,174 1,174 1,188 4,316 4,316 4,474 4,526 4,474 4,528 4,373	108 84 D BOOK 545 527 529 542 527 528 527 519 548 572 622 635 CS, ANI shments.	241 214 214 214 214 214 215 214 217 217 217 217 217 217 217 217 217 217	118 118 118 118 118 G. [24 1,207 1,199 1,174 1,186 1,212 1,229 1,253 1,211 1,237 1,241 1,240 1,275 CHERIE 4,423 4,484 4,117 4,145 4,019 3,964 4,075	Establish 643 578 544 542 565 586 535 532 564 577 591 621 S. [37] 1,135 1,188 991 993 996 941	1,88 1,77 1,77 1,77 1,77 1,77 1,78 1,14 1,88 1,18 1,18 5,66 5,10 5,10 5,11 5,11 5,11 5,11 5,11 5,11
Detober, November, December, PRINTIN Ianuary, darch, April, August, Leptember, December, PRINT Ianuary, August, August, August, August, August, August, August, August, August, August, August, August, August, August, August, August, August, August, August,	wo	RKS	LISH	HING	183 180 1, AN1 1,210 1,170 1,188 1,205 1,205 1,213 1,205 1,174 1,174 1,174 1,188 4,369 4,369 4,377 4,233 4,363 4,377 4,233	108 84 D BOOK 545 527 529 542 527 528 527 519 548 572 622 635 Shments 1,092 1,112 1,129 1,148 1,103 1,098 1,103 1,097	241 214 214 BINDIN 1,755 1,697 1,717 1,756 1,732 1,763 1,784 1,689 1,722 1,760 1,834 1,878 DBEEAG	118 118 118 118 118 118 118 118 118 118	Establish 643 578 544 542 565 586 585 682 564 577 591 621 S. [37] 1,135 1,188 1,989 999 998 998 996 941 968	1,882 1,771 1,811 1,822 1,782 1,831 1,832
PRINTIN Ianuary, Perintin Ianuary, Perintin Ianuary, Perintin Ianuary, Perintin Ianuary, Perintin Ianuary, Ianuary	WO	RKS	LISH	HING	183 180 , ANI 1,210 1,170 1,188 1,205 1,207 1,174 1,174 1,188 1,270 1,174 1,188 1,270 1,174 1,188 1,205 1,207 1,174 4,316 4,346 4,347 4,526 4,343 4,544 4,546 4,347 4,253 4,444 4,548	108 84 D BOOK 545 527 529 542 527 528 527 519 648 572 622 635 CS, ANI shments. 1,092 1,112 1,129 1,148 1,102 1,098 1,103 1,097 1,106	241 214 214 214 214 214 215 21765 1,755 1,763 1,784 1,782 1,769 1,722 1,760 1,834 1,878 21,760 1,834 1,878	118 118 118 118 118 118 118 118 118 119 11,207 11,199 11,174 11,240 11,275 CHERIE 4,423 4,484 4,117 4,145 4,019 3,964 4,075 4,194 4,173	86 843 678 644 643 678 686 686 635 687 7591 621 8. [37]	1,88 1,77 1,77 1,77 1,73 1,73 1,73 1,14 1,14 1,18 1,18 5,5 5,5 5,1 6,5 6,1 6,0 6,0 6,0 6,0 6,0 6,0 6,0
PRINTIN January, February, August, PRINT PRINTIN January, February, January,	RKS	LISH	YE V	183 130 1210 1,170 1,180 1,181 1,205 1,205 1,207 1,174 1,182 1,124 1,124 1,124 1,124 1,124 1,243	108 84 D BOOK 545 527 529 542 527 529 548 572 622 635 CS, ANI shments 1,092 1,112 1,129 1,148 1,103 1,097 1,103 1,1097 1,106 1,1067 1,1067 1,1067 1,107	241 214 214 214 214 214 215 21755 1,755 1,732 1,763 1,734 1,689 1,722 1,760 1,834 1,878 2,478 5,408 5,478 5,603 5,674 5,465 5,476 5,591 5,686	118 118 118 118 118 118 118 118 118 118	Establish 643 578 544 542 565 586 535 582 584 577 591 621 S. [37] 1,135 1,188 991 999 993 956 941 948 974	1,88 1,77 1,77 1,81 1,78 1,18 1,88 1,88	
PRINTIN anuary, ebruary, farch, April, eptember, vetober, vetober, PRINT PRINT anuary, farch, April, farch, April, farch, April, farch, April, farch, far	wo	RKS	LISH	HING	183 180 , ANI 1,210 1,170 1,188 1,205 1,207 1,174 1,174 1,188 1,270 1,174 1,188 1,270 1,174 1,188 1,205 1,207 1,174 4,316 4,346 4,347 4,526 4,343 4,544 4,546 4,347 4,253 4,444 4,548	108 84 D BOOK 545 527 529 542 527 528 527 519 648 572 622 635 CS, ANI shments. 1,092 1,112 1,129 1,148 1,102 1,098 1,103 1,097 1,106	241 214 214 214 214 214 215 21765 1,755 1,763 1,784 1,782 1,769 1,722 1,760 1,834 1,878 21,760 1,834 1,878	118 118 118 118 118 118 118 118 118 119 11,207 11,199 11,174 11,240 11,275 CHERIE 4,423 4,484 4,117 4,145 4,019 3,964 4,075 4,194 4,173	86 843 678 644 643 678 686 686 635 687 7591 621 8. [37]	1,88 1,77 1,77 1,77 1,73 1,73 1,73 1,74 1,86 1,83 1,83 5,64 5,64 5,14 5,01 5,14 5,01 5,14 5,01 5,14

RAILROAD CONSTRUCTION AND EQUIPMENT. [14 Establishments.]

=					-						
			_				1590			1891	
	MO	NTH	8.			Males	Females	Total	Males	Females	Total
January,						2,688	_	2.688	2,887		2,887
February,						2,718 2,754 2,792	-	2,688 2,718 2,754	2.833	-	2,838
March,			•			2,754	-	2,754	2,792	-	2,792
April, .	•	•		•	•	2,792	-	2,792	2,746	- {	2,746
May,	•	•	•	•	•	2,757	-	2,757	2,715	-	2,715
June, . July, .	•	•	•	•	•	2,826 2,836	' -	2,826 2,836	2,615 2,546		2,615
August,	•	•	•	:		2,768		2,763	2,547	1	2,546 2,547
September	r. :	:	:	:		2,741	_	2,741	2,565	-	2,565
October,	•	•				2,688	-	2,688	2,682	l - i	2,682
November	, .			•		2,687	-	2,687	2,756	-	2,756
December	• •	•	•	•	٠	2,752		2,752	2,839	-	2,839
	RUI	вві	ER	AN	D I	ELA S TI	C G001)8. [80	Establis	hments.]	
January,	•					4,675	2,998	7,678	4,652	8,578	8,225
Pebruary,	•	•	•	•	•	4,603	8,021	7,624	4.458	3,481	7,939
March,	•	•	٠	•	•	4,621 8,986	8,005	7,626 6,481	4,482 4,201	8,404	7,886
April, . May,	•	•	•	•	٠,	4,312	2,495 8,108	7,415	4,644	8,009 8,169	7,210 7,818
June, .	:	:	:	:	:	4,858	8,225	7.578	4,877	8,129	7,506
July, .	:	:	:			4,503	8,278	7,578 7,776 7,773 8,098	4.431	8,160	7,591
August,					٠.	4,520	3,253	7,778	4.701	3,850	8,051
deptember	r, .	•	•		•	4,662	8,431	8,098	4,788	8,409	8,197
October.	_					4 708	3,522	8,320	4,592	8,308	7.900
	•	•	•	•	٠,	4,798	0,022		2,000		
November December	••	: C 1	: :	:	_:	4,858 4,857	3,591 8,509	8,444 8,366	4,661 4,626	3,846 3,330	8,007 7,956
SCIENT January, February, March, April, . May, . June, . July . September	rifi	C 1	: : : : :	:	_:	4,853 4,857 ENTS A 760 765 770 792 795 808 805 810 827	3,591 3,509 ND API 86 84 84 83 85 77 80 86 86	844 8,366 PLIANCI 846 839 864 875 880 880 880 886 912	4,661 4,626 CS. [11 839 898 918 922 894 893 849 846 860	Establish 119 120 124 111 109 129 121 119 119 118	958 1,018 1,042 1,033 1,002 969 970 969 970
SCIENT January, February, May, June, June, June, June, Jeptember Jectober,	CIFI		:	TRU	: J M I	4,853 4,857 ENTS A 760 755 770 792 795 808 805 810 827 827	3,591 3,509 ND API 86 84 84 84 88 83 85 77 80 86 86 93	8,444 8,366 PLIANCI 846 839 854 875 880 880 880 880 880 912 920	4,661 4,626 2S. [11 839 898 918 922 894 893 849 846 800 806	Establish 119 120 124 111 109 109 121 119 118	958 1,018 1,043 1,003 1,003 1,003 1,003 1,003 1,003 1,003 1,003 1,003 1,003 1,003
December	TIFI	C 1	:	TRU	: MI	4,853 4,857 ENTS A 760 765 770 792 795 808 805 810 827	3,591 3,509 ND API 86 84 84 83 85 77 80 86 86	844 8,366 PLIANCI 846 839 864 875 880 880 880 886 912	4,661 4,626 CS. [11 839 898 918 922 894 893 849 846 860	Establish 119 120 124 111 109 129 121 119 119 118	958 1,018 1,042 1,033 1,002 970 965 970
SCIENT January, February, April, January, Januar	TIFI			TRI	: J M I	4,853 4,857 760 755 770 792 795 805 808 805 810 827 827 827 848	3,591 3,509 3,509 ND API 86 84 84 83 86 77 80 86 93 105 99	8,444 8,366 PLIANCI 846 839 864 875 880 885 880 886 912 920 963	4,661 4,626 2S. [11 839 898 918 922 894 893 849 846 860 866 863 852	Establish 119 120 124 111 109 121 119 118 119 117	958 1,018 1,042 1,003 1,002 978 985 985
SCIENT January, February, March, May, June, June, Jeptember October, November December	rifi			TRI	: J M I	4,863 4,857 ENTS A 760 755 770 792 803 805 805 810 827 827 848 836	3,591 3,509 3,509 ND API 86 84 84 83 86 77 80 86 93 105 99	8,444 8,366 PLIANCI 846 839 854 875 880 886 912 920 963 965 Establish	4,661 4,626 4,626 38. [11 839 898 918 922 894 893 849 846 800 806 863 852	Establish 119 120 124 111 109 121 119 118 119 117	958 1,018 1,002 1,033 1,002 970 965 985 980 965
SCIENT January, February, April, January, March, June, June, June, June, June, June, June, June June June June June June June June	rifi			TRU	JMD	4,863 4,857 760 755 770 792 803 805 810 827 848 856 UILDING	3,591 3,509 3,509 3,509 3,66 84 84 83 86 86 93 105 99	8,444 8,366 PLIANCI 846 839 864 875 880 880 880 880 912 920 953 955 Establish	4,661 4,626 4,626 2S. [11 839 898 918 922 894 893 846 860 863 852 ments.]	Establish 119 120 124 111 109 109 121 119 118 119 117 113	8,007 7,956 ments. 958 1,018 1,033 1,002 970 965 980 980 985
SCIENT January, February, March, April, June, June, June, June, June, June Jeptember Jectober, November December Jenuary, February, Agrus, Agrus, Anril	rifi			TRU	JMI	4,863 4,857 760 755 770 792 795 803 805 810 827 827 828 838 836	3,591 3,509 3,509 3,509 36 84 84 83 85 77 80 86 85 93 105 99	8,444 8,366 PLIANCI 846 839 854 875 880 886 896 912 920 963 965 Establish 527 843 878 8810	839 898 918 918 922 894 893 846 860 863 852	Establish 119 120 124 111 109 121 119 118 119 118 119 117 113	8,007 7,956 ments. 958 1,018 1,042 1,033 1,003 1,003 970 985 980 985 980 965
SCIENT January, February, April, June, May, June, August, September October, November December January, February, March, April, May, March, May, March, May,	rifi			TRU	JMD	4,853 4,857 760 755 770 792 805 805 806 827 848 856 UILDING	3,591 3,509 3,509 3,509 3,66 86 84 88 86 77 80 86 85 93 105 99	8,444 8,366 PLIANCI 846 839 864 875 880 880 912 920 963 965 856 912 920 963 965 857 858 858 858 858 858 858 858 858 85	4,661 4,626 4,626 2S. [11 839 898 918 922 894 893 849 846 806 863 852 ments.]	Establish 119 120 124 111 109 121 119 118 119 118 119 117 113	8,007 7,956 ments. 958 1,018 1,002 1,033 1,002 970 985 980 965
January, February, March, April, June, July, Beptember October, November December January, February, March, April, March, April, May, June	rifi			TRU	PBU	4,863 4,857 760 750 770 792 795 808 805 810 827 827 827 848 856 UILDING	3,591 3,509 3,509 3,509 36 84 83 85 77 80 86 85 93 105 99	8,444 8,366 PLIANCI 846 839 864 875 880 880 880 880 903 963 963 965 Establish	4,661 4,626 4,626 2S. [11 839 898 918 922 894 893 846 860 866 863 852 ments.]	Establish 119 120 124 111 109 121 119 118 119 118 119 117 113	8,007 7,956 ments. 958 1,018 1,042 1,033 1,003 1,003 970 985 980 985 985 985 985 985 881 881 881 881 881 881 881 881 881 8
SCIENT January, February, March, April, June, June, June, June, June, June Jeptember October, November December Jenuary, February, April, January, January, January, January, June,	rifi			TRU	JMD	4,853 4,857 760 770 792 803 805 805 810 827 827 848 836 911LDING	3,591 3,509 3,509 3,509 3,66 8,6 8,6 8,6 8,6 8,6 9,9 10,6 9,9 10,6 9,9 10,6 9,9 10,6 10,6 10,6 10,6 10,6 10,6 10,6 10,6	8,444 8,366 PLIANCI 846 839 854 875 880 886 912 920 963 965 Establish 527 543 573 810 845 760 835	4,661 4,626 4,626 38. [11 839 898 918 922 894 893 894 806 806 803 852 ments.]	Establish 119 120 124 111 109 109 121 119 117 113	8,007 7,956 ments. 958 1,018 1,002 1,033 1,003 970 965 980 985 980 965
SCIENT January, February, May, July, Angust, September October, November December, April, January, Ja	rifi			TRU	JMI : : : : : : : : : : : : : : : : : :	4,863 4,857 760 750 770 792 795 803 805 810 827 848 856 UILDING	3,591 3,509 3,509 3,509 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609	8,444 8,366 PLIANCI 846 839 864 875 880 880 880 912 920 953 965 Establish 527 643 578 810 846 760 635 704	4,661 4,626 4,626 2S. [11 839 898 918 922 894 893 846 860 866 863 852 ments.]	Establish 119 120 124 111 109 109 121 119 118 119 117 113	8,007 7,956 ments. 958 1,018 1,033 1,002 970 985 980 985 980 9651 8056 821 821 829 846 857
SCIENT January, February, March, May, June, May, May, May, May, May, May, May, May	rifi			TRU	JMD	4,863 4,857 760 755 770 792 803 805 810 827 848 856 UILDING 627 543 670 689	3,591 3,509 3,509 3,509 3,66 8,6 8,6 8,6 8,6 8,6 9,9 10,6 9,9 10,6 9,9 10,6 9,9 10,6 10,6 10,6 10,6 10,6 10,6 10,6 10,6	8,444 8,366 PLIANCI 846 839 864 875 880 880 885 886 912 920 963 965 Establish 527 643 578 810 846 750 635 704 680	4,661 4,626 4,626 2S. [11 839 898 918 922 894 893 846 860 863 852 ments.]	Establish 119 120 124 111 109 109 121 119 117 113	8,007 7,956 ments. 958 1,018 1,033 1,002 970 965 980 965 980 965 821 805 806 827 837 848 857 858
SCIENT January, February, May, July, Angust, September October, November December, April, January, Ja	rifi			TRU	PBU	4,863 4,857 760 755 770 792 795 803 805 810 827 827 827 848 856 UILDING	3,591 3,509 3,509 3,509 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609 3,609	8,444 8,366 PLIANCI 846 839 854 875 880 886 896 912 920 963 965 Establish 527 843 578 810 846 750 685 704	4,661 4,626 4,626 839 898 918 918 922 894 893 846 860 863 852 ments.]	Establish 119 120 124 111 109 121 119 118 119 117 113	8,007 7,956 ments. 958 1,018 1,042 1,033 1,003 1,003 970 985 980 985 980 965

SILK AND SILK GOODS. [9 Establishments.]

	SILK	AND	SILIK (300D8	[0 1350	iblishmer	100.]	
				1890			1891	
м	ONTHS.		Males	Females	Total	Males	Females	Total
January, .			749	1,487	2,286	697	1,525	2,222
February,	: :	: :	758	1,501	2.250	717	1,518	2,230
March,			775	1,500	2,275	716	1,549	2,265
April,			761	1 1537	2,298	722	1,550	2,272
April, May,			758	1,549	2,275 2,298 2,307	702	1,537	2,239
June,			788	1.521	2,259	696	1,518	2,214
July,			768	1,504	2,272	701	1,485	2,186
August, .			790	1,415	2,205	705	1,462	2,167
Sep temb er, .			810	1,884	2,194	710	1,503	2,213
October, .			802	1,448	2,245	721	1,544	2,265
November, .			827 828	1,477	2,304	727 728	1,557	2,284
December, .	• •	• •	028	1,516	2,339	126	1,508	2,286
SPO	RTING	AND	ATHLE	TIC GO	OD8. [9 Establ	ishments	.]
January, .			277	87	814	816	47	863
February, .			265	86	801	295	50	845
March, .			274	87	811	805	58	362
April,			276	40	816	809	58	367
May,			282	38	820	314	52	866
June,			280	86	816	812	44	. 856
July,			254	28	282	270	89	309
August, .			288	84	322	291	86	827
eptember, .			289	86	825	830	44	874
October, .			298	86	829	844	44	888
чочешьег, .			826	88	864	881	46	
November, . December, .	: :	: :	82 6 887	88 28	364 365	881 880	46 50	427 430
January, . February, . March, . April, . Muy, . July, . August, . September, . October, . Ovember, . December, .	: :	• •	887		365	880		427 430 2,730 2,788 2,964 3,404 8,635 8,726 8,727 8,853 8,927 8,853 8,927 8,953 8,947
January, February, March, March, May, May, June, May, Cotober, November, December, Peccamber, February, March, March, March, March, March, March, March, March, March, May, May, May, May, Mayust,		STO	2,914 3,002 3,109 3,416 3,006 3,416 3,675 3,747 3,812 3,619 3,256 LM LE 1,082 1,102 1,102 1,102 1,102 1,102 1,102 1,102 1,102 1,104 1,04 876 481 285 419	28 111 Estal	2,914 3,002 3,109 3,416 8,065 3,747 3,819 3,256 DDS. [1* 2,795 3,174 3,246 3,058 2,656 1,384 608 2,656 1,384 609 901	2,730 2,788 2,964 3,402 3,544 8,635 3,726 3,864 3,927 3,853 3,596 3,047 7 Establi 1,106 1,106 1,106 1,107 4,150 1,037 4,52 2,56 3,72	shments. 1,768 1,768 1,969 2,123 2,167 1,948 827 214 413	2,730 2,758 2,946 3,402 3,544 3,635 3,722 3,848 3,853 3,853 3,854 3,853 3,955 3,200 3,317 2,945 1,279 470 785
January, February, March, April, May, June, July, May, June, Jotober, Occomber, Occomber, December, Jecomber,	STO	2,914 3,002 3,100 3,116 3,006 3,675 3,747 3,612 3,768 3,619 3,256 LM LE 1,082 1,102 1,102 1,102 1,102 4876 481 225 419 567	111 Estal	2,914 3,002 3,149 3,116 3,006 3,675 3,747 3,812 3,793 3,619 3,256 DDS. [1' 2,795 3,174 3,246 3,058 2,666 1,364 609 901 1,170	2,730 2,788 2,964 3,402 3,544 3,685 3,726 3,853 3,595 3,047 7	shments. 1,768 1,969 2,123 2,167 1,948 827 214 413 666	2,736 2,755 2,964 3,407 3,634 3,634 3,921 3,846 3,932 3,047 2,866 8,133 3,201 3,201 1,713 477 7,841	
January, February, March, April, May, June, June, June, STR STR January, February, March, April, May, May, May, May, May, May, May, May, March, May,		STO	2,914 3,002 3,109 3,416 3,006 3,416 3,675 3,747 3,812 3,619 3,256 LM LE 1,082 1,102 1,102 1,102 1,102 1,102 1,102 1,102 1,102 1,104 1,04 876 481 285 419	28 111 Estal	2,914 3,002 3,109 3,416 8,065 3,747 3,819 3,256 DDS. [1* 2,795 3,174 3,246 3,058 2,656 1,384 608 2,656 1,384 609 901	2,730 2,788 2,964 3,402 3,544 8,635 3,726 3,864 3,927 3,853 3,596 3,047 7 Establi 1,106 1,106 1,106 1,107 4,150 1,037 4,52 2,56 3,72	shments. 1,768 1,768 1,969 2,123 2,167 1,948 827 214 413	2,786 2,786 2,788 2,964 3,644 3,634 8,722 8,863 8,922 8,813 3,047

PERSONS EMPLOYED: BY INDUSTRIES - Continued. AGGREGATES, BY MONTHS-1890, 1891-Continued. TALLOW, CANDLES, SOAP, AND GREASE. [55 Establishments.]

						1800			1891	
7	Ionte	s.			Males	Females	Total	Males	Females	Total
January, .	•				566	80	646	573	67	640
February, .	•			.	586	80	666	·578	76	649
March, .		•	•	.	647	81	728	565	84	649
April,	•	•	•	-	610	82	692	562	81	648
May,	•	•	•	•	613	83	696	569	80	649
June,	•	•	•	•	618	87	705	567	82	649
July,	•	•	•	•	618	92	705	560	84	644 630
August, .	•	•	• `	•	607 597	84 82	691 679	552 553	78 74	62
September, . October, .	•	•	•	•	599	82 82	681	549	82	637
November, .	•	•	•	•	620	88	703	542	77	619
December, .	•	•	•	:	562	👸	645	530	73	608
TO	BAC	cco,	, S I	NUE	F, AN	D CIGA	RS. [35	Establi	shments.]
January, .		•	•		716	319	1,085	907	880	1,287
February, .	•	•	•	• [746	846	1,092	868	408	1,27
farch,	•	•	•	•	792	348 318	1,140	854 924	394 416	1,24
April,	•	•	•	•	814 888	318 351	1,132 1,239	1,042	482	1,840 1,47
May, June,	•	•	•	. 1	936	367	1,303	1,042	440	1,44
une,	•	•	•	• 1	800	1 201	1,000	1,000	450	4,77

TOYS AND GAMES (CHILDREN'S). [8 Establishments.]

January,	_	_				297	47	844	284	51	335
February,	•	•	•	•	•	817	50	867	316	57	373
rentually,	•	•	•	•	•						
March,						817	58	875	847	72	419
April, .		_	_		_	841	66	407	861	77	438
W	-	-	-		-	851	82	433	384	92	476
May,			•		•		82		304		
June						877	100	477	404	99.	503
July, .						879	112	491	408	104	512
	•	•	•	•	•						
August,					•	388	106	494	452	98	545
September					_	398	105	503	464	113	577
	,.	•	•	•	•						
October,		•	•	•	•	439	115	'554	502	127	629
November,		_				444	120	564	503	138	641
		•	-	•	•						
December,	•	•	•	•	•	877	94	471	431	100	531

		T	RUI	NKS	A)	ND VAL	ISES.	[7 Estab	lishments	ı.]	
January, February, March, April, . May, . June, . July, . August, September October, November,		:		:		80 82 97 104 106 110 107 111 107 105	1 5 11 9 9 9 9	81 87 108 118 115 119 116 120 116 114	77 97 100 104 109 115 115 115 109 108	2 8 9 10 10 10 10 10 10 9	79 105 109 113 119 125 125 125 119 116
December,	•	:	:	:		74	8	777	80	7	87

PERSONS EMPLOYED: BY INDUSTRIES—Continued. AGGREGATES, BY MONTHS—1890, 1891—Continued. WHIPS, LASHES, AND STOCKS. [15 Establishments.]

	** .	1111	υ,	LASI	ES,	AN	0 8100	vo. [16	LSUMUI.	saments.	<u> </u>
							1890			1891	
	m	ONTH	8.			Males	Females	Total	Males	Females	Total
January,						297	115	412	285	146	431
February,					.	297	121	418	283	141	424
March,					٠ ا	806	121 129	427	276	138	414
April, .	٠	•	•		•	808	129	437	271	184	405
May, . June, .	•	•	•		٠	295 293	131 133	426 426	279 278	137 141	416
July, .	:	:	:		:	290	126	416	277	149	419 426
August,					.	291	121	412	271	149	420
September	, .	•			٠	288	127	415	277	148	425
October, November	•	•	•		•	290 279	130 124	420 403	278 272	151	429
December	•	:	:			282	117	899	261	146 133	418 894
			w	OODE	N	GOOI	OS. [149	9 Establi	shments	.]	·
January,						2,685	58	2.743	2,802	55	2,857
February,					.	2,788	68	2,743 2,806	2,846	63	2,909
March,	•		•	•	•	2,749	59	2,808	2,850	66	2,916
April, .	•	•	•		- 1	2,846 2,813	54 54	2,900	2,935 2,981	67 6 6	3,002
May, . June, .	•	•	•	• •		2,869	61	2,867 2,930	2,991	65	- 3,047 3,056
July, .	:	·	:	•	:	2,876	68	2,944	2,978	68	3,046
August,		•	•		.	2.802	61	2,863	2,981	71	8,052
Beptember	•	•	•			2,898	64	2,962	2,995	70	3,065
October, November,	•	•	•		١.	2,883 2,865	70 75	2,953	3,000	69 67	8,069
December,	•	•	•	: :		2,805	61	2,940 2,866	2,948 2,924	57	8,015 2,981
January, February, March, April, May, June, June, August, September, October, November,	:	:	W	00LL1	11 11 11 11 11 11 11	0,439 0,524 0,585 0,416 0,360 0,417 0,325 0,292 0,473 0,777 0,767 0,728	6,285 6,303 6,315 6,270 6,294 6,414 6,251 6,145 6,242 6,359 6,408 6,357	8 Establ 16,724 16,827 16,900 16,686 16,654 16,831 16,576 16,437 16,715 17,136 17,175 17,080	10,887 10,917 11,068 11,100 11,067 11,103 11,120 11,120 11,036 10,991 10,926 10,973	6,562 6,544 6,566 6,529 6,561 6,407 6,407 6,417 6,359 6,434 6,424 6,384	17,449 17,461 17,634 17,729 17,628 17,627 17,453 17,350 17,360 17,360 17,367 17,138
			w	ORST	7		DS. [21]	- 1 1	
January, February,	•	•	•	• •	1 3	3,896 3,997	4,122 4,220	8,018 8,217	3,887 3,967	4,071 4,047	7,958 8,014
March,	:	:	:	: :		1,059	4,236	8,217 8,295 8,331	3,981	4,016	7.997
April	•			: :	1 4	1,090	4.241	8,331	3.921	8,977	7,898
May, .	•	•	٠		1 8	3,908	4,108	8,016	4,022	4,019	8.041
June, .	•	•	٠			3,793	3,977 3,901	7,770 7,538	4,035 3,968	4,048. 4,061	8,083 8,029
July, . August,	•	:	:	: :		3,637 3,694	3,829	7,523	4,010	4,002	8,012
September,		:	:		1	3,702	3,955	7,657	4,008	4,045	8,053
October,					1 1	3,795	4,072	7.867	3,886	4,069	7,955
November,	•	•	٠			3,856	4,101	7,957	3,962	3,885	7,847 7,857
December,	•	•	•	• •	1	,119	4,263	8,882	3,882 .	8,775	7,657

ALL INDUSTRIES. [3,745 Establishments.]

	Монтив.						1890		1891		
	M	ONTH	B.			Males	Females	Total	Males	Females	Total
January,		•				186,079	94,083	280,162	191,939	99,681	291,620
February,						188,282	95,984	284,266	192,106	100,704	292,810
March,						190,180	97,043	287,228	198,225	101,039	294,264
April, .						190,565	96,468	287,038	193,894	100,680	294,574
May, .			•			191,081	96,761	287,842	195,487	100,571	296,058
June, .						193,011	96,192	289,208	194,270	98,845	293,115
July, .						191,812	94,162	285,974	193,575	96,468	290,043
August,						198,743	94,244	287,987	194,030	96,112	290,142
September,						195,309	96,813	292,122	195,098	97,778	292,876
October,						196,912	98,306	295,218	194,857	99,112	293,967
November,						194,938	98,049	292,987	193,893	98,760	292,658
December,						193,132	97,886	291,018	192,823	98,867	291,690

THE BUSY SEASON: BY INDUSTRIES.

1890, 1891.

[In this presentation is shown, for 1890 and 1891, the average number of persons employed in each industry, the month or months in which the greatest number of persons was employed in each industry as a whole, the aggregate greatest number of persons employed in the specified month, and the aggregate number of persons employed at periods of employment of the greatest number. The figures in the four columns headed "The Busy Season" are based upon the proceeding presentation and the month in which the largest number of persons is there shown to have been employed, in any particular industry, has been considered as representing the busy

	Industrice.					Number of Estab- lishments Con-	AVERAGE NUMBER OF PERSONS EMPLOYED	
						sidered	1890	1891
1	Agricultural implements,				•	11	. 691	677
2	Arms and ammunition,					12	1,852	2,096
8	Artisans' tools,		•			56 -	1,676	1,688
4	Awnings, sails, tents, etc.,					80	155	149
5	Boots and shoes,					567	44,068	43,343
6	Boxes (paper and wooden),		. •			141	3,228	3,170
7	Brick, tiles, and sewer pipe,					45	1,170	1,214
8	Brooms, brushes, and mops,					21	762	790
9	Burial cases, caskets, coffins, etc., .					6	209	222
10	Buttons and dress trimmings					17	1,070	1,197
11	Carpetings,					12	4,635	4,67
12	Carriages and wagons,					96	2,244	2,290
13	Cement, kaolin, lime, and plaster, .					4	68	51
l4	Chemical preparations (compounded),					9	2 67	271
13	Clocks, watches, and jewelry, .					77	3,422	8.39
16	Ciothing					118	8,178	8,09
17	Cooking, lighting, and heating apparate					31	2,094	2,22
18	Cordage and twine					25	3,260	3,59
19	Corks, bungs, and taps,					4	45	45
20	Cotton goods,					157	70,596	71,960
21	Cotton, woollen, and other textiles,					8	2.134	2,29
22	Crayons, pencils, crucibles, etc., .					4	49	4
23	Drugs and medicines,					19	877	489
24	Dvestuffs.					7	217	218
25	Earthen, plaster, and stone ware, .					1 4 1	222	210
26	Electrical apparatus and appliances,					اما	2,595	2.660
27	Electroplating					10	77	79
28	Emery and sand paper and cloth, etc.,					13	280	834
29	Fancy articles,					6	244	210
30	Fertilizers.				•	7	62	51
31	Fine arts and taxidermy,					2	7	•
12	Fireworks and matches,					8	52	7:
3	Flax, hemp, jute, and linen goods, .					8	1,875	1,89
34	Food preparations,					264	6,434	7,08

THE BUSY SEASON: BY INDUSTRIES.

1890, 1891,

season. This table should be read as follows: In Agricultural Implements, the busiest month in the year 1890, on the basis of persons employed, was June, during which month the 11 establishments employed in the aggregate 717 porsons, while in March, 1891, the number so employed was 718. The average number of persons employed in the 11 establishments was 691 in 1890 and 677 in 1891. The number of persons employed at periods of employment of greatest number by the 11 establishments was 753 in 1890 and 742 in 1891.]

	THE BUSY	AGGREGATE	Number			
GATE GREATEST	LICH THE AGGRE- NUMBER OF PER- SEMPLOYED	Number sons Employ fied h	ED IN SPECI-	OF PERSONS EMPLOYED AT PERSONS OF EMPLOYMENT OF GREATEST NUMBER		
1890	1891	. 1890	1891	1890	1991	
June	March	717	718	753	742	l i
October	October	1,892	2,180	1,987	2,283	2
May	December	1,717	1,705	1,821	1,807	8
Мау	October	169	164	224	238	4
August	August	47,480	44,881	51,234	51,550	5
October	April	8,308	8,260	8,677	8,667	6
June	May	1,878	1,911	1,947	2,015	7
March	March	797	812	824	850	8
March April	July	213	224	215	224	9
December	April	1,180	1,265	1,832	1,398	10
February	March	4,705	4,790	4,780	4,865	11
June	May	2,516	2,687	2,672	2,878	12
June	May	82	81	87	83	13
October December	April December	275	291	282	3 05	14
October	January	3,582	3,616	8,834	3,912	15
October	April	8,770	8,493	9,404	9,454	16
November	October	2,234	2,428	2,318	2,529	17
May	June	3,580	3,894	3,889	4,316	18
April	July	48	48	49	50	19
December	December	71,635	72,557	73,323	75,003	20
July	April	2,220	2,383	2,253	2,412	21
January *	June	50	46	50	46	22
December	October	399	452	430	513	23
October	September	226	225	229	24 0	24
September	October	233	268	234	269	25
November	December	2,908	8,223	2,916	3,249	26
October	October	87	85	89	91	27
November	June	290	852	822	879	28
December	August	280	229	281	248	29
April	April	99	93	101	95	30
January †	November }	8	11	. 8	11	31
May	May	78	81	81	93	32
August	March	2,011	1,917	2,054	1,958	3
October	October	6,961	7,428	8,401	9,168	34

^{*} The same number also in February, March, and April.

[†] The same number also in February and December.

PERSONS EMPLOYED: BY INDUSTRIES - Continued.

THE BUSY SEASON: BY INDUSTRIES — 1890, 1891 — Concluded.

	Indéstries.				Number of Estab- lishments Con-	Average Number of Persons Employed	
					sidered	1890	1891
1	Furniture,	•	•		120	4,871	4,994
2	Glass,		•	•	10	458	488
8	Glue, isinglass, and starch,	•	•	•	14	886	399
4	Hair work (animal and human),	•	•	•	10	213	205
5	Hose: rubber, linen, etc.,	•	•	•	5	175	238
6	Hosiery and knit goods,		•	•	40	4,077	5,130
7	Ink, mucilage, and paste,			•	8	115	115
8	Ivory, bone, shell, and horn goods, etc.,	•		•	18	461	504
9	Leather,		•	•	154	6,137	5,512
10	Liquors and beverages (not spirituous),		•	•	12	115	126
11	Liquors: malt, distilled, and fermented,		•		49	928	1,009
12	Lumber,	•		•	25	751	753
13	Machines and machinery,		•	•	263	15,709	16,120
14	Metals and metallic goods,				277	17,096	17,373
15	Mixed textiles,				18	833	797
16	Models and patterns,				5	41	42
17	Musical instruments and materials, .				46	2,889	2,692
18	Oils and illuminating fluids,				9	173	181
19	Paints, colors, and crude chemicals, .				16	242	240
20	Paper and paper goods,				102	9,574	9,873
21	Perfumes, toilet articles, etc.,				4	35	86
22	Photographs and photographic materials,				111	152	141
23	Polishes and dressing.	•	•	•	18	229	218
24	Printing, publishing, and bookbinding,	•	•	•	24	1,755	1,796
25	Print works, dye works, and bleacheries,	•	•	•	87	5,521	
26	Railroad construction and equipment	•	•	•			5,240
27		•	•	•	14	2,751	2,709
28	Rubber and elastic goods,	•	•	•	80	7,615 893	7,857
28 29		•	•	•	11	680	991
	Shipbuilding,	•	•	•	42	1	679
30	Silk and silk goods,	•	•	•	9	2,268	2,232
31	Sporting and athletic goods,	•	•	•	9	823	367
32	Stone,	•	•	•	111	3,434	8,435
33	Straw and palm leaf goods,	•	•	•	17	2,073	2,094
34	Tallow, candles, soap, and grease,	•	•	•	56	688	635
35	Tobacco, snuff, and cigars,	•	•	•	35	1,275	1,388
36	Toys and games (children's),	•	•	•	8	457	498
37	Trunks and valises,	•	•	•	7	107	111
38	Whips, lashes, and stocks,	•	•	•	15	418	419
39	Wooden goods,	•	•	•	149	2,888	8,012
ю	Woollen goods,	•	•	•	138	16,816	17,479
11	Worsted goods,	•	•	•	21	7,963	7,966
12	ALL INDUSTRIES,	•	•	•	8,745	287,900	292,866

PERSONS EMPLOYED: BY INDUSTRIES - Continued.

THE BUSY SEASON: BY INDUSTRIES - 1890, 1891 - Concluded.

	THE BUSY S	EASON		AGGREGA	TE NUMBER	
GATE GREATEST	CH THE AGGRE- NUMBER OF PER- EMPLOYED	Number sons Employ fied I	of l'er- ed in Speci- Month	PERIODS OF E	Employed at imployment of t Number	
1890	1891	1890	1891	1890	1901	
November	October	5,145	5,148	5,418	5,452	<u> </u> 1
January *	March	486	529	495	587	2
December	March	587	526	581	585	8
June	May	248	209	251	221	4
March	December	203	· 269	210	276	1
November	November	4,323	5,340	5,051	5,769	
April †	October	118	119	118	119	1
March	March	515	530	585	563	8
June	March	6,428	5,981	7,421	6,768	8
August	July	154	164	158	. 167	10
October	October	983	1,110	1,087	1,194	11
October	November	828	898	875	969	12
November	October	16,639	16,297	17,743	18,088	18
December	November	17,698	17,984	18,718	19,898	14
December	April	881	878	930	905	14
September	September	44	44	. 48	47	10
November	December	2,945	2,758	8,096	2,898	17
November	January February	208	240	222	244	18
March	May	258	262	264	257	15
December	November	9,871	10,026	10,162	10,528	20
October ‡	November }	87	40	87	40	2
December	December	164	154	165	155	22
September	September	248	234	258	260	2
December	December	1,878	1,896	1,948	2,005	24
October	December	5,686	5,790	5,944	6,071	2
July	January	2,836	2,887	8,055	8,121	20
November	January	8,444	8,225	8,817	9,056	2
December	March	955	1,042	967	1,068	2
May	May	845	874	994	1,072	21
December	November	2,339	2,284	2,504	2,832	30
December	December	365	430	404	497	8
September	September	3,812	8,927	4,252	4,443	3:
March	April	8,246	8,817	8,451	3,506	31
March	February §	728	649	774	640	34
August	July	1,448	1,514	1,571	1,639	3
November	November	564	641	577	668	8
August	June	120	125	123	126	8
April	January	437	481	459	457	3
September	October	2,962	3,069	3,296	8,391	3
November	April	17,175	17,729	18,426	18,821	4
December	June	8,382	8,083	8,787	8,460	4
October	May	295,218	296,058	322,288	329,684	4

^{*} The same number also in February and March.

[†] The same number also in May and June. ‡ The same number also in November and December.

[§] The same number also in March, May, and June. || The same number also in July and August.

SAME NUMBER OF PERSONS EMPLOYED DURING THE YEAR: BY INDUSTRIES.

1890, 1891.

[In this presentation is shown, for 1890 and 1891, the number of establishments reporting the employment of the same number of persons during each month of the year, and the number of persons so employed, designated as to sex.]

,			1890
	Industries.	Whole Number of Establish- ments Considered	Number of Establishments Reporting the Same Number of Persons Em- ployed During the Entire Year
1	Agricultural implements,	. 11	1
2	Arms and ammunition,	. 12	_
8	Artisans' tools,	. 56	16
4	Awnings, sails, tents, etc.,	. 80	5
5	Boots and shoes,	. 567	150
6	Boxes (paper and wooden),	. 141	29
7	Brick, tiles, and sewer pipe,	. 45	8
8	Brooms, brushes, and mops,	. 21	8
9	Burial cases, caskets, coffins, etc.,	. 6	4
10	Buttons and dress trimmings,	. 17	1
11	Carpetings,	. 12	_
12	Carriages and wagons,	. 96	18
13	Cement, kaolin, lime, and plaster,		1
14	Chemical preparations (compounded),	. 9	4
15	Clocks, watches, and jewelry,	. 77	13
16	Clothing,	. 113	80
17	Cooking, lighting, and heating apparatus,	. 31	8
18	Cordage and twine,	. 25	8
19	Corks, bungs, and taps,		1
20	Cotton goods,	. 157	88
21	Cotton, woollen, and other textiles,	. 8	-
22	Crayons, pencils, crucibles, etc.,	. 4	8
23	Down and madialnes	. 19	6
24	Dyestuffs,	. 7	2
25	Earthen, plaster, and stone ware,	. 4	1
26	Electrical apparatus and appliances,	. 5	1
27	Electroplating,	. 10	3
28	Thursday and sound names and aloth ata	. 13	2
29	Fancy articles,	. 6	2
30	Fertilizers,	. 7	8
81	Fine arts and taxidermy,	. 2	-
82	Fireworks and matches, ,	. 3	-
83	Flax, hemp, jute, and linen goods,	. 8	1
Į.		1 '	1

SAME NUMBER OF PERSONS EMPLOYED DURING THE YEAR: BY INDUSTRIES.

1890, 1891.

[In this presentation is shown, for 1890 and 1891, the number of establishments reporting the employment of the same number of persons during each month of the year, and the number of persons so employed, designated as to sex.]

		l	1891	1890					
		Persons Empi The entire Y		Number of Establishments Reporting the Same Number of	ER OF PERSONS EMPLOYED DUR- ING THE ENTIRE YEAR				
	Total	Females	Males	Persons Em- ployed During the Entire Year	Total	Females	Males		
1	-	-	-		70	-	70		
1	- 1	-	-	- 1	-	-	-		
1	106	2	104	14	134	2	132		
4	88	10	23	5	85	12	23		
	6,230	1,785	4,445 .	127	6,501	1,754	4,747		
•	424	. 190	234 .	29	545	286	259		
1	78	-	78	2	86	-	86		
1	443	187	806	9.	466	157	809		
•	154	25	129	4	160	25	135		
10	87	24	13 .	2	26	15	11		
1	-	-	-	-	-	-	-		
1:	221	8	218	17	249		249		
13	5	-	5	2	8	-	8		
1	80	2	28	- 5	176	-	176		
16	805	63	242	14	801	79	222		
16	1,520	1,022	498	20	2,182	1,295	887		
17	265	- 1	265	8	59	· -	59		
18	894	66	828	8	884	66	818		
19	- 1				9	4	5		
20	15,008	7,588	7,470	88	16,238	7,867	8,371		
21	-	-	-	- 1	· -	-	· -		
22	27		. 27	2	48	- 1	48		
23	28	12	. , 16	6	89	16	23		
24	-	-			14	-	14		
25	-	`-			100	10	90		
26	6	-	6	. 1	43	_	43		
27	17	. 1	16 .	8 -	7	_	7		
28	-	_	-	•.	16	- 1	16		
29	53	42	- 11	2	56	48	18		
30	16		16 .	. 8	27	_	27		
31	-			-,	_	_	-		
32	_	-	_	-	-	_	_		
83	832	825	1507 -	• 1	9	2	7		

PERSONS EMPLOYED: BY INDUSTRIES - Continued.

SAME NUMBER OF PERSONS EMPLOYED: BY INDUSTRIES -1890, 1891 - Concluded.

						- 1		1890
	. Industries.						Whole Number of Establish- ments Considered	Number of Establishments Reporting the Same Number o Persons Employed During the Entire Year
1	Food preparations,			•			264	125
2	Furniture,			•		.	120	88
3	Glass,		•	•		.]	10	8 .
4	Glue, isinglass, and starch,		•			.	14	-
5	Hair work (animal and human), .	•	•	•		.	10	4
6	Hose: rubber, linen, etc.,	•	•	•	•		5	1
7	Hosiery and knit goods,		•	•		.	40	1
8	Ink, mucilage, and paste,		•	•.		.	8	6
9	Ivory, bone, shell, and horn goods, etc.,			•		.]	18	2
10	Leather,			•		.	154	29
11	Liquors and beverages (not spirituous),					.	12	1
12	Liquors: malt, distilled, and fermented,		•		•	.	49	14
18	Lumber,					.	25	7
14	Machines and machinery,					.	263	68
15	Metals and metallic goods,					.	277	70
16	Mixed textiles,					.	13	2
17	Models and patterns,					.	5	1
18	Musical instruments and materials, .					.	46	12
19	Oils and illuminating fluids,					. 1	9	2
20	Paints, colors, and crude chemicals,					. 1	16	8
21	Paper and paper goods,					.	102	21
22	Perfumes, toilet articles, etc.,						4	8
23	Photographs and photographic materials		•	·	•		11	. 6
24	Polishes and dressing,	•	-	-			18	11
25	The state of the State of the State of the s	:	·	•	•	.1	24	4
26	Print works, dye works, and bleacheries	-	:	:	:	:1	87	
20 27	Railroad construction and equipment.	•	•	•	•		14	_
21 28	Rubber and clastic goods,	•	•	•	•	- 1	80	8
28 29	Scientific instruments and appliances,	•	•	•	•	.	11	ı
	Shipbuilding,	•	•	•	•	٠,	42	8
80		•	•	•	•	.	9	ì
81	•	•	•	•	•	.	9	2
82	Sporting and athletic goods,	•	•	•	•	٠,	-	-
88	Stone,	•	•	•	•	.	111 17	11
84	Straw and palm leaf goods,	•	•	•	•	.		-
B5	Tallow, candles, soap, and grease, .	•	•	•	•	.	55	81
86	Tobacco, snuff, and cigars,	•	•	•	•	.	85	8
87	Toys and games (children's),	•	•	•	•	.	8	-
88	Trunks and valises,	•	•	•	•		7	2
89	Whips, lashes, and stocks,	•	•	•	•	.	15	
40	Wooden goods,	•	•	•	•	•]	149	46
41	Woollen goods,	•	•	•	•	.	138	25
42	Worsted goods,	• ·	•	•	•	\cdot	21	
						ı		11

PERSONS EMPLOYED: BY INDUSTRIES—Continued.

SAME NUMBER OF PERSONS EMPLOYED: BY INDUSTRIES

— 1890, 1891—Concluded.

				1890			
	LOYED DUR-	Persons Enp	NUMBER OF I	Number of Establishments Reporting the Same Number of	OYED DUR-	Persons Empi He entire Y	NUMBER OF I
	Total	Females	Males	Persons Em- ployed During the Entire Year	Total	Females	Males
1	808	85	718	117	1,134	197	937
2	1,948	41	1,907	81	1,810	58	1,752
8	810	25	285	2	44	4	40
4	8	-	8	1	_	-	-
5	83	29	4	4	11	10	1
6	26	16	10	1	5	8	2
7	72	58	14	8	12	4	8 -
8	104	44	60	6	105	44	61
9	21	4	17	2	46	7	89
10	781	8	778	29	756	4	752
11	5	_	5	2	8	_	8
12	152	- 1	152	9	259	١, ١	258
18	80	-	80	4	87	_	87
14	479	4	475	41	1,074	25	1,049
15	1,128	72	1,056	62	1,589	850	1,239
16	181	12	119	2	180	18	117
17	16	- 1	16	1	14		14
18	516	16	500	10	635	16	619
19	15	2	13	i	28	12	16
20	81		81	5	102	4	98
21	1,451	545	906	18	1,569	512	1,057
22	14	9	5	2	82	26	6
28	59	24	85	5	70	27	43
24	48	2	41	8	88	12	76
25	60	11	49		29	8	21
26	23	-	23	8	161	24	187
27		_	~		101		201
28	347	240	107	8	831	226	105
29	8	1	2	i	16	8	8
80	51		51	5	95		95
31	80	26	4	1	25	20	5
82	83	17	66	1 2	71	1 4	67
88	346		846	8	874]	874
84	-	_	-	,	-	_	-
85	122	2	120	82	210	67	148
86	51	24	27	5	14	3	11
87	-	·	-	ll :	-	l <u> </u>	-
88	24	_ !	24	8	21	1	20
89	215	87	128		228	62	161
40	457	J.,	457	87	852	24	828
41	1,944	776	1,168	26	1,575	604	971
42	40	26	14	1	-,0.5	-	-
48	88,204	13,448	24,756	810	41,588	14,013	27,520

COMPARISON OF PERSONS EMPLOYED. SAME ESTABLISHMENTS. FOR THE YEARS

1885, 1890.

[In this presentation, the figures given under "Average Number of Persons Employed During the Year" represent the returns made by the same establishments, in each industry, for 1890 and the Cenaus year 1885, the whole number of establishments considered in "All Industries" being 3,817. Comparison is made, as regards the average number of persons employed during the year, between these two years. The relative increase or decrease in 1890 as compared with 1885 is given with its equivalent percentage.]

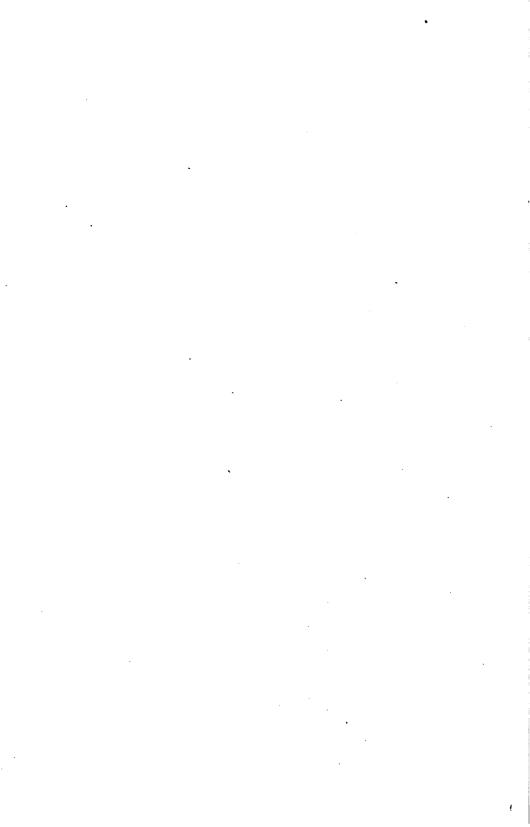
Industries.	Number of Estab- lishments	NUMBER O	RAGE F PERSONS JOYED THE YEAR	Increase (+), or Decrease (-), in 1890	
	Con- sidered	1885	1890	Number	Percent-
Agricultural implements,	11	668	693	+30	+4.52
Arms and ammunition,	13	1,686	1,838	+152	+9.02
Artisans' tools,	56	1,478	1,670	+197	+15.87
Awnings, sails, tents, etc.,	84	269	177	-92	-34.20
Boots and shoes,	528	40,622	44,874	+8,752	+9.24
Boxes (paper and wooden),	180	2,707	8,156	+449	+16.59
Brick, tiles, and sewer pipe,	50	2,179	1,624	555	—25.47
Brooms, brushes, and mops,	20	805	288	_17	-5.67
Burial cases, caskets, coffins, etc.,	5	166	164	-2	-1.20
Buttons and dress trimmings,	15	1,137	944	—193	-16.97
Carpetings,	11	8,897	4,615	+718	+18.42
Carriages and wagons,	123	3,243	3,117	126	-3.89
Cement, kaolin, lime, and plaster,	4	55	89	+14	+25.45
Chemical preparations (compounded), .	12	279	285	+6	+2.15
Clocks, watches, and jewelry,	86	5,877	6,256	+379	+6.45
Clothing,	126	8,111	8,784	+673	+8.80
Cooking, lighting, and heating apparatus,	41	2,454	2,279	—175	—7.13
Cordage and twine,	24	2,475	8,256	+781	+31.56
Corks, bungs, and taps,	2	23	26	+3	+13.04
Cotton goods,	142	63,612	69,090	+4,478	+7.04
Cotton, woollen, and other textiles, .	2	2,798	2,108	690	-24.66
Crayons, pencils, crucibles, etc.,	8	84	30	-4	-11.76
Drugs and medicines,	20	550	368	182	83.09
Dyestuffs,	6	158	113	45	-28.48
Earthen, plaster, and stone ware,	5	167	292	+125	+74.85
Electrical apparatus and appliances, .	4	291	2,589	+2,298	+78.97
Electroplating,	10	86	85	-1	-1.16
Emery and sand paper and cloth, etc., .	10	174	208	+34	+19.54
Fancy articles,	5	87	108	+16	+18.39
Fertilizers,	6	68	47	—2 1	30.88
Fine arts and taxidermy,	8	5	9	+4	+80.00

PERSONS EMPLOYED: BY INDUSTRIES—Concluded.

COMPARISON OF PERSONS EMPLOYED. SAME ESTABLISHMENTS.

FOR THE YEARS 1885, 1890—Concluded.

Industries.	Number of Estab- lishments Con-	NUMBER O EMPL	RAGE F I'ERSONS OYED OYED	Increasi or Decreas 189	3B (—), IN
	sidered	1885	1890	Number	Percent- ages
Fireworks and matches,	2	55	27	-28	-50.91
Flax, hemp, jute, and linen goods,	8	1,727	1,875	+148	+8.57
Food preparations,	832	7,258	7, 43 0	+172	+2.37
Furniture,	150	4,480	. 4,435	-45	-1.00
Glass,	12	426	557	+131	+30.75
Glue, isinglass, and starch,	14	496	436	60	-12.10
Hair work (animal and human),	11	184	217	+33	+17.93
Hose: rubber, linen, etc.,	8	75	179	+104	+138.67
Hosiery and knit goods,	23	8,115	8,384	+269	+8.64
Ink, mucilage, and paste,	7	53	28	25	—47.17
Ivory, bone, shell, and horn goods, etc.,	17	491	745	+254	+51.73
Leather,	169	6,583	6,740	+157	+2.38
Liquors and beverages (not spirituous),	12	116	121	+5	+4.31
Liquors: malt, distilled, and fermented,	57	1,120	1,047	—73	-6.52
Lumber,	24	634	571	-63	-9.94
Machines and machinery,	255	12,690	15,511	+2,821	+22.23
Metals and metallic goods,	268	14,119	16,537	+2,418	+17.13
Mixed textiles,	11	789	815	+76	+10.28
Models and patterns,	5	40	41	+1	+2.50
Musical instruments and materials,	45	2,736	8,536	+800	+29.24
Oils and illuminating fluids,	9	137	173	+36	+26.28
Paints, colors, and crude chemicals, .	12	192	204	+12	+6.25
Paper and paper goods,	95	7,876	8,662	+786	+9.98
Perfumes, toilet articles, etc.,	5	28	87	+9	+32.14
Photographs and photographic materials,	11	185	157	28	-15.14
Polishes and dressing,	20	188	236	+48	+25.53
Printing, publishing, and bookbinding, .	18	1,027	1,015	-12	-1.17
Print works, dye works, and bleacheries,	39	5,360	5,511	+151	+2.82
Railroad construction and equipment, .	7	1,457	2,022	+565	+38.78
Rubber and elastic goods,	26	5,600	7,524	+1,924	+34.36
Scientific instruments and appliances, .	13	629	1,021	+392	+62.32
Shipbuilding,	47	1,307	860	-447	-34.20
Silk and silk goods,	8	1,833	2,298	+465	+25.37
Sporting and athletic goods,	9	328	348	+20	+6.10
Stone,	120	4,414	8,501	913	-20.68
Straw and palm leaf goods,	18	3,175	2,613	-562	-17.70
Tallow, candles, soap, and grease,	62	665	713	+48	+7.22
Tobacco, snuff, and cigars,	38	1,051	1,318	+267	+25.40
Toys and games (children's),	9	306	464	+158	+51.63
Trunks and valises,	9	128	107	—21	-16.41
Whips, lashes, and stocks,	11	857	363	+6	+1.68
Wooden goods,	157	8,101	8,197	+96	+3.10
Woollen goods,	126	15,400	16,665	+1,265	+8.21
Worsted goods,	16	4,937	5,720	+783	+15.86
ALL INDUSTRIES,	3,817	262,469	286,618	+24,149	+9.20



WAGES PAID: BY INDUSTRIES.

[131]

WAGES PAID: BY INDUSTRIES.

1890, 1891.

[In this presentation, the figures given under "Total Amount Paid in Wages During the Year" represent the returns made by the same establishments, in each industry, for the years 1890 and 1891, the whole number of establishments considered in "All Industries" being 3,745. Comparison is made, as regards the total amount paid in wages, between these two years. The relative increase or decrease in 1891 as compared with 1890 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments	TOTAL A	GES DURING	INCREASE OR DECREASE 189	s (—), im
	Con- sidered_	1890	1891	Amounts	Percent ages
Agricultural implements,	11	\$343,44 1	\$ 351,149	+\$7,708	+2.24
Arms and ammunition,	12	1,096,305	1,277,611	+181,306	+16.54
Artisans' tools,	56	919,421	943,594	+24,173	+2.63
Awnings, sails, tents, etc.,	80	94,456	91,937	2,519	-2.67
Boots and shoes,	567	22,714,532	21,861,711	-852,821	-3.75
Boxes (paper and wooden),	141	1,256,112	1,228,100	-28,012	-2.23
Brick, tiles, and sewer pipe,	45	519,392	524,435	+5,043	+0.97
Brooms, brushes, and mops,	21	266,196	278,160	+11,964	+4.49
Burial cases, caskets, coffins, etc., .	6	115,453	112,464	-2,989	-2.59
Buttons and dress trimmings,	17	855,838	418,853	+63,015	+17.71
Carpetings,	12	1,691,949	1,753,899	+61,950	+3.66
Carriages and wagons,	96	1,280,502	1,358,100	+77,598	+6.06
Cement, kaolin, lime, and plaster, .	4	34,780	28,717	6,063	-17.43
Chemical preparations (compound-				· ·	
ed),	9	154,235	165,663	+11,428	+7.41
Clocks, watches, and jewelry, .	77	1,914,804	1,929,903	+15,099	+0.79
Clothing,	113	8,282,572	3,253,144	-29,428	-0.90
Cooking, lighting, and heating ap-	1	'			
paratus,	81	1,283,719	1,380,410	. +96,691	+7.53
Cordage and twine	25	1,092,148	1,208,070	+115,922	+10.61
Corks, bungs, and taps,	4	18,035	13,055	+20	+0.15
Cotton goods,	157	23,634,881	24,738,653	+1,103,772	+4.67
Cotton, woollen, and other textiles,	8	797,731	897,807	+100,076	+12.55
Crayons, pencils, crucibles, etc., .	4	23,988	24,674	+686	+2.86
Drugs and medicines,	19	159,373	178,222	+18,849	+11.83
Dyestuffs,	7	112,494	113,635	+1,141	+1.01
Earthen, plaster, and stone ware, .	4	101,540	101,925	+385	+0.38
Electrical apparatus and appliances,	5	1,442,241	1,633,389	+191,148	+13.25
Electroplating,	10	37,714	40,218	+2,504	+6.64
Emery and sand paper and cloth, etc.,	13	149,188	170,301	+21,113	+14.15
Fancy articles,	6	69,058	62,901	5,157	-7.58
Fertilizers,	7	40,610	86,28 3	-4,327	-10.66
Fine arts and taxidermy,	2	4,531	4,378	158	-3.49
Fireworks and matches,	3	15,125	26,467	+11,342	+74.99
Flax, hemp, jute, and linen goods, .	8	589,274	610,311	+21,037	+3.57
Food preparations,	264	3,036,200	3,435,728	899,528	+13.16

WAGES PAID: BY INDUSTRIES — Continued.

WAGES PAID: BY INDUSTRIES — 1890, 1891 — Concluded.

	Vannakaan	TOTAL AMOUNT		INCREASE (+),	
Industries.	Number of Estab- lishments	PAID IN WA	GES DURING YEAR	OR DECREASE	B`(—), IN
	Con- sidered	1890	1891	Amounts	Percent-
Furniture,	120	\$2,341,910	\$2,426,9 16	+\$85,006	+3.63
Glass,	10	210,657	221,630	+10,973	+5.21
Glue, isinglass, and starch,	14	181,444	180,530	-914	-0.50
Hair work (animal and human), .	10	84,440	74,94 2	-9,498	-11.25
Hose: rubber, linen, etc.,	5	82,965	100,330	+17,365	+20.93
Hosiery and knit goods,	40	1,328,983	1,709,606	+380,623	+28.64
Ink, mucilage, and paste,	8	48,586	47,334	-1,202	-2.48
Ivory, bone, shell, and horn goods, etc.,	18	190,611	228,673	+38,062	+19.97
Leather,	154	3,144,285	2,867,027	-277,258	-8.82
Liquors and beverages (not spirit-					
uous),	12	69,467	66,874	-2,593	-3.78
Liquors: malt, distilled, and fer-			,		,
mented,	49	627,656	687,538	+59,882	+9.54
Lumber	25	843,492		+22,736	+6.62
Machines and machinery,	263	8,652,828	8,962,322	+309,494	+3.58
Metals and metallic goods	277	8,548,999	8,829,038	+230,039	+3.28
Mixed textiles,	18	317,066		-9,545	-3.01
Models and patterns,	5	23,227	22,762	-46 5	-2.00
Musical instruments and materials,	46	1,922,514		—112, 334	-5.84
Oils and illuminating fluids,	9	89,317		1	+9.20
Paints, colors, and crude chemicals,	16	120,110		+732	+0.61
Paper and paper goods	102	4,043,522	-	+190,026	+4.70
Perfumes, toilet articles, etc	4	18,772		+1,220	+8.86
Photographs and photographic ma-	•	10,	12,002	1 -,	1 0.00
terials.	11	94,900	86,979	-7,921	-8.35
Polishes and dressing	18	108,817		+6,761	+6.24
Printing, publishing, and bookbind-	10	100,011	110,010	70,101	70.22
ing,	24	974,086	1,007,994	+33,908	+3.48
Print works, dye works, and bleach-	-	9149000	1,001,554	700,200	70.20
eries	87	2,292,653	2,233,170	-59,483	-2.59
Railroad construction and equip-	° ′.	2,292,003	2,200,170		2.09
ment	14	1,649,488	1,599,758	-49,730	-3.01
Rubber and elastic goods,	30	11 ' '		-56,009	-1.65
Scientific instruments and appliances	11	8,402,245		-30,609 +30,674	+7.95
· · · · · · · · · · · · · · · · · ·	42	385,908 441,545		+24,086	+5.45
Shipbuilding,	9			1	1 '
- ·	9	769,428		+18,921	+2.46 +12.09
Sporting and athletic goods,	1	143,733		+17,382	1 '
Stone,	111	1,829,456		+80,817	+4.42
Straw and palm leaf goods,	17	842,460	1 -	+82,837	+9.83 -3.17
Tallow, candles, soap, and grease, .	55	311,838		9,880	1
Tobacco, snuff, and cigars,	85	748,293		+54,737	+7.31
Toys and games (children's),	8	183,279		+14,669	+8.00
Trunks and valises,	7	57,770		+6,718	+11.62
Whips, lashes, and stocks,	15	172,762		+13,534	+7.83
Wooden goods,	149	1,542,285		+43,432	+2.82
Woollen goods,	138	6,174,770	1	+441,672	+7.15
Worsted goods,	21	2,927,448	2,973,680	+46,232	+1.58
ALL INDUSTRIES,	8,745	\$ 126,080, 3 03	\$129,416,248	+\$3,335,945	+2.65

AVERAGE YEARLY EARNINGS: BY INDUSTRIES.

1890, 1891.

[The average yearly earnings, shown in this presentation, have been obtained by dividing the total amount paid in wages during the years 1890 and 1891 (pages 132 and 183) by the average number of persons employed during the same years (pages 90 to 93 inclusive). The relative increase or decrease in average yearly earnings in 1891 as compared with 1890 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments		rage Earnings	INCREASE (+), OR DECREASE (-), IN 1891		
	Con- sidered	1890	1891	Amounts	Percent- ages	
Agricultural implements,	11	\$497.02	\$518.68	+\$21.66	+4.36	
Arms and ammunition,	12	591.96	609.55	+17.59	+2.97	
Artisans' tools,	56	548.58	560.00	+11.42	+2.08	
Awnings, sails, tents, etc.,	30	609.39	617.03	+7.64	+1.25	
Boots and shoes,	567	515.44	504.39	11.05	-2.14	
Boxes (paper and wooden),	141	889.13	387.41	-1.72	-0.44	
Brick, tiles, and sewer pipe,	45	443.92	431.99	-11.93	-2.69	
Brooms, brushes, and mops,	21	349.34	352.10	+2.76	+0.79	
Burial cases, caskets, coffins, etc.,	6	552.41	506.59	-45.82	-8.29	
Buttons and dress trimmings,	17	832.56	849.92	+17.36	+5.22	
Carpetings,	12	865.04	375.41	+10.37	+2.84	
Carriages and wagons,	96	570.63	590.74	+20.11	+3.52	
Cement, kaolin, lime, and plaster,	4	511.47	495.12	-16.35	-3.20	
Chemical preparations (compounded), .	9	577.66	593.77	+16.11	+2.79	
Clocks, watches, and jewelry,	77	559.56	568.62	+9.06	+1.62	
Clothing,	113	401.39	401.77	+0.38	+0.09	
Cooking, lighting, and heating appara-					,	
tus,	31	613.05	619.85	+6.80	+1.11	
Cordage and twine,	25	335.01	336.04	+1.03	+0.31	
Corks, bungs, and taps,	4	289.67	310.83	+21.16	+7.30	
Cotton goods,	157	334.79	843.78	+8.99	+2.69	
Cotton, woollen, and other textiles, .	8	373.82	390.52	+16.70	+4.47	
Crayons, pencils, crucibles, etc.,	4	489.55	573.81	+84.26	+17.21	
Drugs and medicines,	19	422.74	412.55	-10.19	-2.41	
Dyestuffs,	7	518.41	521.26	+2.85	+0.55	
Earthen, plaster, and stone ware,	4	457.39	471.88	+14.49	+3.17	
Electrical apparatus and appliances, .	5	555.78	614.06	+58.28	+10.49	
Electroplating,	10	489.79	509.09	+19.30	+3.94	
Emery and sand paper and cloth, etc., .	13	532.81	506.85	-25.96	-4.87	
Fancy articles,	6	278.93	287.22	+8.29	+2.97	
Fertillzers,	7	655.00	684.58	+29.58	+4.52	
Fine arts and taxidermy,	2	647.29	624.71	-22.58	-3.49	
Fireworks and matches	8	290.87	872.77	+81.90	+28.16	

WAGES PAID: BY INDUSTRIES - Continued.

AVERAGE YEARLY EARNINGS: BY INDUSTRIES — 1890, 1891 — Concluded.

Industries.	Number of Estab- lishments	Ave Yrarly	rage Earnings	INOREAS OR DECREAS 189	sr (—). In
	Con- sidered	1890	1891	Amounts	Percent- ages
Flax, hemp, jute, and linen goods,	8	\$314.28	\$321.72	+87.44	+2.37
Food preparations,	264	471.90	485.14	+18.24	+2.81
Furniture,	120	480.79	485.97	+5.18	+1.08
Glass,	10	459.95	454.16	-5.79	-1.26
Glue, isinglass, and starch,	14	470.06	452.46	-17.60	-3.74
Hair work (animal and human),	10	896.43	365.57	30.86	-7.78
Hose: rubber, linen, etc.,	5	474.09	430.60	-43.49	-9.17
Hosiery and knit goods,	40	325.97	333.26	+7.29	+2.24
Ink, mucilage, and paste,	8	422.05	411.60	-10.45	-2.48
Ivory, bone, shell, and horn goods, etc.,	13	413.47	453.72	+40.25	+9.73
Leather	154	512.35	520.14	+7.79	+1.52
Liquors and beverages (not spirituous),	12	604.06	530.75	-73.31	-12.14
Liquors: mait, distilled, and fermented,	49	676.35	681.41	+5.06	+0.75
Lumber,	25	457.38	486.36	+28.98	+6.34
Machines and machinery,	263	550.82	555.98	+5.16	+0.94
Metals and metallic goods.	277	500.06	508.20	+8.14	+1.63
Mixed textiles,	13	380.63	385.85	+5.22	+1.37
Models and patterns,	5	566.51	541.95	-24.56	—4.34
Musical instruments and materials, .	46	665.46	672.43	+6.97	+1.05
Oils and illuminating fluids,	9	516.28	538.88	+22.60	+4.88
Paints, colors, and crude chemicals,	16	496.32	503.51	+7.19	+1.45
	102	422.34	428.80	+6.46	+1.53
Paper and paper goods,	4	393.49	416.44	1 .	
Perfumes, toilet articles, etc.,	•	393.49	410.44	+22.95	+5.83
Photographs and photographic mate-	11	e04 04	010 OF	- 4-	1 00
rials,	1	624.34	616.87	—7.47	-1.20
Polishes and dressing,	18	473.00	527.88	+54.88	+11.60
Printing, publishing, and bookbinding,	24 37	555.03	561.24	+6.21	+1.12
Print works, dye works, and bleacheries,	14	415.26	426.18	+10.92	+2.63
Railroad construction and equipment, .	1	599.60	590.53	-9.07	-1.51
Rubber and elastic goods,	80	446.78	425.89	-20.89	-4.68
Scientific instruments and appliances, .	11	432.15	420.37	-11.78	-2.78
Shipbuilding,	42	649.83	685.76	+36.43	+5.61
Silk and silk goods,	9	839.25	853.20	+13.95	+4.11
Sporting and athletic goods,	9	444.99	439.01	-5.98	-1.34
Stone,	111	532.75	556.12	+23.37	+4.39
Straw and palm leaf goods,	17	406.40	441.88	+35.48	+8.73
Tallow, candles, soap, and grease, .	55	453.25	475.52	+22.27	+4.91
Tobacco, snuff, and cigars,	85	586.90	578.55	-8.85	-1.42
Toys and games (children's),	8	401.05	397.49	-3.56	-0.89
Trunks and values,	7	539.91	580.93	+41.02	+7.60
Whips, lashes, and stocks,	15	413.31	444.62	+31.31	+7.58
Wooden goods,	149	534.03	526.47	-7.56	-1.42
Woollen goods,	138	867.20	379.54	+11.84	+3.09
Worsted goods,	21	867.63	873.34	+5.71	+1.55
ALL INDUSTRIES,	8,745	\$437.98	\$441.9 0	+\$3.97	+0.91

. COMPARISON OF WAGES PAID. , SAME ESTABLISHMENTS. FOR THE YEARS

1885, 1890.

[In this presentation, the figures given under "Total Amount Paid in Wages During the Year" represent the returns made by the same establishments, in each industry, for 1880 and the Census year 1885, the whole number of establishments considered in "All Industries" being 3,817. Comparison is made, as regards the total amount paid in wages, between these two years. The relative increase or decrease in 1890 as compared with 1885 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments	TOTAL A PAID IN WAG THE Y	ES DURING	INCREASE (+), OR DECREASE (-), II 1890	
	Con- sidered	1885	1890	Amounts Percentages	
Agricultural implements,	11	\$270,512	\$ 343,441	+\$72,929 +26.96	
Arms and ammunition,	13	935,915	1,092,454	+156,539 +16.73	
Artisans' tools,	56	685,716	914,622	+228,906 +33.38	
Awnings, sails, tents, etc.,	84	99,338	107,365	+8,027 +8.08	
Boots and shoes,	528	17,336,091	22,528,426	+5,192,335 +29.95	
Boxes (paper and wooden),	130	922,638	1,232,181	+309,543 +33.55	
Brick, tiles, and sewer pipe,	50	545,804	680,857	+135,053 +24.74	
Brooms, brushes, and mops,	20	87,758	102,207	+14,449 +16.46	
Burial cases, caskets, coffins, etc., .	5	82,674	95,453	+12,779 +15.46	
Buttons and dress trimmings,	15	827,519	318,162	—9,857 —2.86	
Carpetings,	11	1,177,949	1,673,944	+495,995 +42.11	
Carriages and wagons,	123	1,576,215	1,828,645	+252,430 $+16.01$	
Cement, kaolin, lime, and plaster, .	4	23,176	35,116	+11,940 +51.52	
Chemical preparations (compound-		1			
ed),	12	126,302	165,080	+38,778 +30.70	
Clocks, watches, and jewelry,	86	2,673,007	3,496,085	+823,078 +30.79	
Clothing,	126	8,075,514	3,490,524	+415,010 +13.49	
Cooking, lighting, and heating appa-			1		
ratus,	41	1,229,863	1,397,667	+167,804 +13.64	
Cordage and twine,	24	688,727	1,067,622	+378,895 +55.01	
Corks, bungs, and taps,	2	8,336	7,460	—876 —10.51	
Cotton goods,	142	17,024,681	22,824,756	+5,800,075 +34.07	
Cotton, woollen, and other textiles, .	2	946,641	784,681	-161,960 -17.11	
Crayons, pencils, crucibles, etc., .	8	15,012	16,763	+1,751 +11.66	
Drugs and medicines,	20	203,914	145,473	-58,441 -28.66	
Dyestuffs,	6	69,526	59,447	-10,079 -14.50	
Earthen, plaster, and stone ware, .	5	91,576	136,540	+44,964 +49.10	
Electrical apparatus and appliances,	4	141,835	1,438,705	+1,297,370 +917.94	
Electroplating,	10	38,238	41,072	+2,834 +7.41	
Emery and sand paper and cloth, etc.,	10	80,126	106,544	+26,418 +32.97	
Fancy articles,	5	20,246	39,108	+18,862 +93.16	
Fertilizers,	6	23,180	20,570	—2,6 10 —11.26	
Fine arts and taxidermy,	3	2,500	6,131	+8,631 +145.24	
Fireworks and matches,	2	12,439	7,100	-5,339 -42.92	
Flax, hemp, jute, and linen goods, .	8	431,050	589,274	+158,224 +36.71	
Food preparations,	832	2,969,500	8,450,765	+481,265 +16.21	
Furniture,	150	1,993,583	2,190,908	+197,820 +9.90	
Glass,	12	236,697	264,403	+27,706 +11.71	

WAGES PAID: BY INDUSTRIES—Continued.

COMPARISON OF WAGES PAID. SAME ESTABLISHMENTS.

FOR THE YEARS 1885, 1890—Concluded.

Industries.	Number of Estab- lishments	TOTAL A	GES DURING	INCREASE OR DECREASE 1896	: (—), IN
	Con- sidered	1885	1890	Amounts	Percent-
Glue, isinglass, and starch,	14	\$153,755	\$172,608	+\$18,853	+12.26
Hair work (animal and human), .	11	53,055	85,948	+32,893	1 -
Hose: rubber, linen, etc.,	8	82,857	72,811		+125.02
Hosiery and knit goods,	23	819,927	1,134,384	+314,457	1
Ink, mucilage, and paste,	7.	18,528	12,836	-5,692	
Ivory, bone, shell, and horn goods,	-		55,733		
etc	17	193,613	318,088	+124,475	+64.29
Leather,	169	2,925,368	3,466,271	+540,903	1 '
Liquors and beverages (not spirit-		2,520,000	0,200,2,1	1 010,000	1 101 10
uous),	12	44,686	69,467	+24,781	+55.46
Liquors: malt, distilled, and fer-	1.0	44,000	05,201	724,101	100.20
_ ·	57	614,170	701,315	+87,145	+14.19
mented,	24	244,690	287,323	+42,633	1 '
	1	1 1			1 '
Machines and machinery,	255 268	5,447,416	8,512,631	+3,065,215	1 -
Metals and metallic goods,		6,191,298	8,298,174	+2,106,876	1 -
Mixed textiles,	11	209,873	308,061	1 .	+47.14
Models and patterns,	5	21,788	23,227	+1,439	1 '
Musical instruments and materials,	45	1,662,541	2,324,653	+662,112	l '
Oils and illuminating fluids,	9	69,330	89,317	+19,987	
Paints, colors, and crude chemicals,	12	94,308	98,288	+3,980	
Paper and paper goods,	95	2,878,118	3,630,155	+752,037	1 '
Perfumes, toilet articles, etc.,	5	10,440	15,024	+4,584	+43.91
Photographs and photographic ma-	}				
terials,	11	86,516	98,956	+12,440	
Polishes and dressing,	20	85,326	112,028	+26,702	+31.30
Printing, publishing, and bookbind-	}	l i		1	
ing,	18	488,404	527,553	+39,149	+8.02
Print works, dye works, and bleach-					
eries,	39	1,875,784	2,288,330	+412,546	+21.99
Railroad construction and equip-					
ment,	7	778,889	1,254,371	+475,482	+61.05
Rubber and elastic goods,	26	2,125,218	3,359,352	+1,234,134	+58.07
Scientific instruments and appli-			i	·	
ances,	13	259,629	434,877	+175,248	+67.50
Shipbuilding,	47	428,541	534,826	+106,285	+24.80
Silk and silk goods,	8	549,879	775,723	+225,844	+41.07
Sporting and athletic goods,	9	153,891	156,193	+2,302	+1.50
Stone,	120	1,928,420	1,885,263	-43,157	-2.24
Straw and palm leaf goods,	18	911,194	1,001,602	+90,408	+9.92
Tallow, candles, soap, and grease, .	62	297,746	322,687	+24,941	+8.38
Tobacco, snuff, and cigars,	88	484,670	740,437	+255,767	+52.77
Toys and games (children's),	9	117,987	186,848	+68,861	+58.36
Trunks and valises,	9	52,114	56,870	+4,256	+8.17
Whips, lashes, and stocks,	11	152,829	146,745	-6,084	
Wooden goods,	157	1,350,118	1,648,489	+298,371	
Woollen goods,	126	4,816,398	6,028,816	+1,212,418	1
Worsted goods,	16	1,435,843	2,120,828	+684,485	
- .	ļ				
ALL INDUSTRIES,	8,817	₽ ₩0,231,455	\$120,999,921	+\$29,762,466	+30.93

COMPARISON OF AVERAGE YEARLY EARNINGS. SAME ESTABLISHMENTS. FOR THE YEARS

1885, 1890.

[The average yearly earnings, shown in this presentation, have been obtained by dividing the total amount paid in wages during the years 1885 and 1890 (pages 136 and 137) by the average number of persons employed during the same years (pages 128 and 129). The relative increase or decrease in average yearly earnings in 1890 as compared with 1885 is given with its equivalent percentage.]

Industries.	Number of Estab- lishments		rage Earnings	Increase (+), or Decrease (-), in 1890	
	Con- sidered	1885	1890	Amounts	Percent- ages
Agricultural implements,	11	\$408.01	\$495.59	+\$87.58	+21.47
Arms and ammunition,	18	555.11	594.37	+39.26	+7.07
Artisans' tools,	56	465.52	547.68	+82.16	+17.65
Awnings, sails, tents, etc.,	84	369.29	606.58	+237.29	+64.26
Boots and shoes,	528	426.77	507.69	+80.92	+18.96
Boxes (paper and wooden),	130	840.83	390.42	+49.59	+14.55
Brick, tiles, and sewer pipe,	50	250.48	419.25	+168.77	+67.88
Brooms, brushes, and mops,	20	287.73	854.89	+67.16	+23.84
Burial cases, caskets, coffins, etc.,	5	498.04	582.03	+83.99	+16.86
Buttons and dress trimmings,	15	288.05	837.04	+48.99	+17.01
Carpetings,	11	302.27	862.72	+60.45	+20.00
Carriages and wagons,	123	486.04	586.67	+100.63	+20.70
Cement, kaolin, lime, and plaster,	4	421.38	508.93	+87.55	+20.78
Chemical preparations (compounded), .	12	452.70	579.23	+126.58	+27.95
Clocks, watches, and jewelry,	86	454.83	558.84	+104.01	+22.81
Clothing,	126	379.18	397.37	+18.19	+4.80
Cooking, lighting, and heating apparatus,	41	501.17	613.28	+112.11	+22.37
Cordage and twine,	24	278.27	327.89	+49.62	+17.83
Corks, bungs, and taps,	2	362.43	286.92	-75.51	-20.83
Cotton goods,	142	267.63	335.21	+67.58	+25.25
Cotton, woollen, and other textiles, .	2	838.33	872.24	+33.91	+10.02
Crayons, pencils, crucibles, etc.,	8	441.53	558.77	+117.24	+26.55
Drugs and medicines,	20	870.75	395.31	+24.56	+6.62
Dyestuffs,	6	440.04	526.08	+86.04	+19.55
Earthen, plaster, and stone ware,	5	548.36	467.60	-80.76	-14.73
Electrical apparatus and appliances, .	4	485.69	555.70	+70.01	+14.41
Electroplating,	10	444.63	483.20	+38.57	+8.67
Emery and sand paper and cloth, etc., .	10	460.49	512.23	+51.74	+11.24
Fancy articles,	5	232.71	879.69	+146.98	+63.16
Fertilizers,	6	840.88	437.66	+96.78	+28.39

WAGES PAID: BY INDUSTRIES - Continued.

COMPARISON OF AVERAGE YEARLY EARNINGS. SAME ESTABLISHMENTS. FOR THE YEARS 1885, 1890—Concluded.

EISHMENIS. FOR THE	ILAK	1990	, 1980	— Conclude		
Industries.	Number of Estab- lishments Con-	AVE	rage Earnings	Increase (+), or Decrease (-), in 1896		
	sidered	1885	1890	Amounts	Percent- ages	
Fine arts and taxidermy,	8	\$500.00	\$681.22	+\$181.22	+36.24	
Fireworks and matches	2	226.16	262.96	+36.80	+16.27	
Flax, hemp, jute, and linen goods	8	249.59	314.28	+64.69	+25.92	
Food preparations,	332	409-13	461.44	+55.81	+13.52	
Furniture,	150	445.00	494.00	-149.00	+11.01	
Glass,	12	555.63	474.69	-80.94	-14.57	
Glue, isinglass, and starch,	14	309.99	395.89	+85.90	+27.71	
Hair work (animal and human),	11	288.84	396.07	+107.78	+37.36	
Hose: rubber, linen, etc.,	8	431.43	406.77	-24.66	-5.72	
Hosiery and knit goods,	23	263.22	335.22	+72.00	+27.35	
Ink, mucilage, and paste,	7	349.58	458.43	+108.85	+31.14	
Ivory, bone, shell, and horn goods, etc.,	17	394.32	426.96	+32.64	+8.28	
Leather,	169	444.38	514.28	+69.90	+15.73	
Liquors and beverages (not spirituous),	12	385.22	574.11	+188.89	+49.08	
Liquors: malt, distilled, and fermented,	57	548.37	669.83	+121.46	+22.15	
Lumber,	24	385.95	503.19	+117.24	+30.38	
Machines and machinery,	255	429.27	548.81	+119.54	+27.85	
Metals and metallic goods,	268	438.51	501.79	+63.28	+14.43	
Mixed textiles,	11	283.32	377.99	+94.67	+33.41	
Models and patterns,	5	544.70	566.51	+21.81	+4.00	
Musical instruments and materials,	45	607.65	657.42	+49.77	+8.19	
Oils and illuminating fluids,	9	506.06	516.28	+10.22	+2.02	
Paints, colors, and crude chemicals, .	12	491.19	481.80	-9.39	-1.91	
Paper and paper goods	95	365.43	419.09	+53.66	+14.68	
Perfumes, toilet articles, etc	5	372.86	406.05	+33.19	+8.90	
Photographs and photographic materials,	11	467.65	630.29	+162.64	+34.78	
Polishes and dressing,	20	453.86	474.69	+20.83	+4.59	
Printing, publishing, and bookbinding, .	18	475.56	519.76	+44.20	+9.29	
Print works, dye works, and bleacheries,	39	849.96	415.23	+65.27	+18.65	
Railroad construction and equipment,	. 7	534.58	620.36	+85.78	+16.05	
Rubber and elastic goods,	26	879.50	446.48	+66.98	+17.65	
Scientific instruments and appliances,	13	412.76	425.93	+13.17	+3.19	
Shipbuilding,	47	327.88	621.89	+294.01	+89.67	
Silk and silk goods,	8	299.99	337.56	+37.57	+12.52	
Sporting and athletic goods,	9	469.18	448.83	-20.35	-4.34	
Stone,	120	436.89	538.49	+101.60	+23.26	
Straw and palm leaf goods	18	286.99	383.31	+96.32	+33.56	
Tallow, candles, soap, and grease,	62	447.74	452.58	+4.84	+1.08	
Tobacco, snuff, and eigars,	38	461.15	561.79	+100.64	+21.82	
Toys and games (children's),	9	385.58	402.69	+17.11	+4.44	
Trunks and valises,	9	407.14	526.82	+119.68	+29.39	
Whips, lashes, and stocks,	11	428.09	404.26	-23.83	-5.57	
Wooden goods,	157	435.38	515.64	+80.26	+18.43	
Woollen goods,	126	312.75	361.77	+49.02	+15.67	
Worsted goods,	16	290.83	370.69	+79.86	+27.46	

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES.

1890, 1891.

[In this presentation is shown, for 1890 and 1891, a classification of weekly wage, ranging from under \$5 per week to \$20 and over, and the number of males and females receiving such wage. The returns were made by manufacturers to cover the week during which the largest number of persons was employed.]

AGRICULTURAL IMPLEMENTS. [11 Establishments.]

CLASSIFICATION O	F W	'REKI	.Y		1890		1891			
	WAGE.					Total	Males	Females	Total	
Under \$5,		•		9	_	9	7	_	7	
\$5 but under \$6,				17	- 1	17	13	- 1	18	
\$6 but under \$7.				14	-	14	12	-	12	
\$7 but under \$8,				90	-	90	75	-	75	
\$8 but under \$9.			1	85	- 1	85	98	_	98	
\$9 but under \$10.				182	- 1	182	176	- 1	176	
\$10 but under \$12,				117	- 1	117	107	- 1	107	
\$12 but under \$15.				121	- 1	121	148	- 1	148	
\$15 but under \$20.				78	- 1	78	74	- 1	74	
20 and over, .	•	•		17	- 1	17	18	-	18	
Totals, .				730	- 、	730	728	-	728	

ARMS AND AMMUNITION. [12 Establishments.]

Under \$5,		•		130 71 82 63 64 142 177 280 613 134	21 20 21 21 51 80 11 2	151 91 103 84 115 172 188 282 613 134	136 47 111 59 68 215 229 842 694	28 19 25 28 53 80 10 3 1	159 66 136 82 121 245 239 345 695 154
Totals, .	•	•	٠	1,756	177	1,933	2,055	187	2,242

ARTISANS' TOOLS. [56 Establishments.]

		108	16	124	91	14	105
•	.	45	10	55	64	11	75
•		85	19	104	79	18	97
		123	8	181	115	10	97 125
		91	8	99	107	6	118
		197	2	199	209	5	214
		279	1	280	257	1	258
		364	_	364	374	-	374
			- 1	295	286	1	287
		128	-	128	118	-	113
		1,715	64	1,779	1,695	66	1,761

Totals,

WAGES PAID: BY INDUSTRIES - Continued.

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES—1890, 1891 — Continued.

				1	1890		1	1891	
CLASSIFICATION WAG		VREKI	T		1				
W AG	ь.			Males	Females	Total	Males	Females	Total
Under \$5,		•		3	_	3	6	-	6
\$5 but under \$6		•	•	8	. 5	8	2 5	2 6	11
\$6 but under \$7 \$7 but under \$8		•	•	2 2	11	13 6	8	6	9
\$8 but under \$9		:	:	1 1	19	20	2	19	21
\$9 but under \$10		•		2	1	8	2	1 1	8
\$10 but under \$12	•	•	•	8	. 1	4	6	2	8
\$12 but under \$15 \$15 but under \$20		•	•	20 127	-	20 127	34 143	<u>- </u>	84 148
\$20 and over,	•	:	:	23	=	28	140	-	140
Totals, .	•	•	•	186	41	227	203	36	239
	во	отѕ	Al	ND SHO	ES. [5	67 Estab	lishment	3.]	
Under \$5,				1,695	2,213	3,908	1,629	2,362	3,991
\$5 but under \$6	. :	:		1,101	1,347	2,448	1.065	1,361	2,426
\$6 but under \$7				1.691	1.693	3,384	1,659	1,925	3,584
\$7 but under \$8		•	٠	1,744	1,684	3,428	1,694	1,847	8,541
\$8 but under \$9 \$9 but under \$10		•	•	1,874 2,959	1,587 1,745	3,461 4,704	2,015 3,032	1,574 1,757	3, 589 4,789
\$10 but under \$12		:	:	5,198	1,950	7,148	4,862	1,911	6,773
\$12 but under \$15				8,799	1,763	10,562	8,480	1,611	10,091
\$15 but under \$20	, .	•		7,909	582	8,491	8,480 7,697	621	8,318
\$20 and over, .	•	•	•	2,646	60	2,706	2,438	59	2,497
Totals, .	•	•	•	85,616	14,624	50,240	34,571	15,028	49,599
BOXE	S (1	PAPI	ER	AND V	VOODE	V). [141	Establis	hments.]	1
Under \$5,				99	383	482	100	348	448
\$5 but under \$6	, .			47	210	257	53	251	304
\$6 but under \$7			•	115	314	429	106	327	433
\$7 but under \$8 \$8 but under \$9		•	•	198 199	270 164	468 363	198 178	275 128	· 478
\$9 but under \$10	: :	•	:	400	107	507	449	80	529
\$10 but under \$12		:		388	66	454	375	65	440
\$12 but under \$15				420	24	444	443	15	458
\$15 but under \$20 \$20 and over, .		:	:	223 9	7	230 9	191 20	5	196 20
TOTALS, .	•	•	•	2,098	1,545	3,643	2,113	1,494	3,607
BRICK	, T	LES	, A	AND SE	WER P	IPE. [4	5 Establ	ishments.]
Under \$5,				21	8	29	28	8	36
\$5 but under \$6	, :		:	9	ž	11	43	ž	45
\$6 but under \$7	, .		•	57	-	57	58	- 1	58
\$7 but under \$8	, .	:	٠	162	- '	162	197	- 1	197
\$8 but under \$9 \$9 but under \$10	•	•	•	202 576	=	202 576	288 555] []	288 555
\$10 but under \$12		:	:	560	-	560	456	·	456
\$12 but under \$15		:	·	198	-	198	192	1 1	198
\$1 5 but under \$2 0			•	90	-	90	94	-	94
\$20 and over, .	•	•	•	42		42	37		87

1,917

10

1,927

1,959

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES-1890, 1891 - Continued.

BROOMS, BRUSHES, AND MOPS. [21 Establishments.]

- BRU	OMP	, BRU	SHES, A	MD MO	PS. [21	Establis	nments.	
CLASSIFICATION	OF T	VERKLY	-	1890			1891	
WA	GB.		Males	Females	Total	Males	Females	Total
Jnder \$5, .			84	175	259	87	206	293
\$5 but under \$	6	•	. 88	90	128	82	83	115
\$6 but under \$	7, .	·	43	83	76	46	42	88
\$7 but under \$	8, .		. 21	24	45	29	15	44
\$8 but under \$	9, .		. 17	6	23	17	7	24
\$9 but under \$1	0, .			5	87	85	2 1	87
10 but under \$1	2, .			1	45	88	1 1	89
12 but under \$1		•		-	100	j 98	1	99
15 but under \$2 20 and over,	υ, .	•	70	-	70	74	-	74
120 and over,	•	•	47		47	51		51
Totals,	•	•	496	834	830	507	857	864
BURIAL (CASI	ES, CA	SKETS,	COFFI	IS, ETC	. [6 Es	tablishme	nts.]
Inder \$5,			. 2	4	6	2	3	5
\$5 but under \$	6, .	•	. 8	2	5	II -	_3	
\$6 but under \$	7,	•	. 4	19	23	.4	11	15
\$7 but under \$	B, .	•	16	3	16	14 8	7	14 15
\$8 but under \$ \$9 but under \$1	y, .	• •	1	8	10 19	15	8	23
10 but under \$1	ÿ, ·	•	1 40	2	20	19	ı	20
12 but under \$1		•	58	í	59	67	î	68
15 but under \$2	ŏ	•	54	=	54	50	[50
20 and over,			5	-	5	5	_ [5
TOTALS,			178	39	217	184	84	218
DIIMMO	27.0	AND	DDECG	TDIMMI	NOS F	17 Fotob	liah manta	-
BUTTO	NS .	AND	DRESS	IRIMMI	NGS. [17 Estab	lishments	•]
nder \$5,	. :			453	502	52	419	471
\$5 but under	b, .	•	27	255	282	30	258	288
86 but under	ί, .	•	17 42	144	161	26 43	167 83	193 126
\$7 but under	o, .	• •	22	72 38	114 60	48 27	83 34	126 6 1
9 but under \$1	, ·	• •	43	12	55	46	20	66
10 but under \$1	2.	• •	45	12	57	53	16	69
12 but under \$1		•	63	l i	64	71		71
15 but under \$2			36	1 :	86	49	-	49
20 and over, .	· :		21	-	21	21	-	21
TOTALS, .			365	987	1,352	418	997	1,415
		CARE	ETINGS	. [12 E	stablishn	nents.]		
nder \$5,			411	845	1,256	478	837	1,310
5 but under &	, .		154	506	660	168	551	719
6 but under	ζ, .		328	310	638	280	361	641
7 but under				842	479	162	293	455 438
88 but under \$ 9 89 but under \$ 1	, . n			316 125	55 6 879	254 277	184 189	438 466
10 but under \$1:		• •	105	119	314	207	189	396
12 but under \$1	5.	: :		20	307	239	18	252
15 but under \$2	ŏ	: :		3	131	121	ııı	122
20 and over,	-, :		39	=	39	39	1	39
· ·	•		·					
TOTALS, .			2,173	2,586	4,759	2,220	2,618	4,888

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES - 1890, 1891 - Continued.

CARRIAGES AND WAGONS. [96 Establishments.]

CLASSIFICATION (or W	BEELY		1890			1891	
WAGE	•		Males	Females	Total	Males	Females	Total
Under \$5,	•		148	1	149	68	1	69
\$5 but under \$6.			67	1	68	65	1 1	66
\$6 but under \$7,			- 68	8	76	80	8	88
\$7 but under \$8,	•		86	10	96	126	10	136
\$8 but under \$9,	•		88	8	96	159	5	16 <u>4</u>
\$9 but under \$10,	•		267	11	278	299	7	306
\$10 but under \$12,	•		437	1	438	512	2	514
\$12 but under \$15, \$15 but under \$20,	•		671	-	671	723	- 1	723
\$20 and over, .	•		589 121	•	589 121	633 107	_	633 107
φ20 and Over, .	•		121		121	. 107		101
Totals, .	•		2,542	40	2,582	2,772	34	2,806
CEMENT,	KA	OLIN,	LIME,	AND PI	LASTER.	[4 Est	ablishme	ents.]
Under \$5,			_	_	_	_	_	_
\$5 but under \$6,			_	- 1	-	-		_
\$6 but under \$7,	•		-		-	-	-	-
\$7 but under \$8,	•		-	- 1	- 1	-	- 1	-
\$8 but under \$9, \$9 but under \$10,	•		68	- 1	68	65	-	-
\$10 but under \$12,	•		1 %	_	4	8	[65
\$12 but under \$15,	•	: :	111		11	11		3 11
\$15 but under \$20,	•	: :	1 6	_	6	16		6
\$20 and over,	:	: :	-	_	-			_
-	•	• •						
TOTALS, .	•	• •	89	-	89	85	-	85
CHEMICAL	PRI	EPARA	TIONS	(СОМРО	OUNDED). [9 E	stablishr	nents.]
Under \$5,			2	-	2	2	1	3
\$5 but under \$6,			3	- 1	8	2 .	- 1	2
\$6 but under \$7,			8	1	4	4	- 1	4
\$7 but under \$8,	•		1	-	1	3	1	4
\$8 but under \$9,	•		14	1	15	7	- 1	7
\$9 but under \$10, \$10 but under \$12,	•		95 57	-	95 57	121 54	ī	121 55
\$12 but under \$15,	•		75	-	75	88		83
\$15 but under \$20,	•	: :	l ii		ii	21	[21
\$20 and over.	:	: :	14	_	14	4		4
Totals, .	. •		275`	2	277	801	8	804
CLOCKS,	w	ATCH	ES, ANI) JEWE	LRY. [77 Estab	lishment	s.]
Under \$5,			112	141	253	92	137	229
\$5 but under \$6,			. 109	201	310	100	202	302
\$6 but under \$7,			108	167	275	106	117	223
\$7 but under \$8,	•		151	172	323	128	180	308
\$8 but under \$9,	٠		156	138	294	148	136	284
\$9 but under \$10,	•		136	94	230	157	115 46	272 451
\$10 but under \$12, \$12 but under \$15,	•		365 507	45 38	410	405 558	28	586
\$15 but under \$15, \$15 but under \$20,	•	• •	694	13	545 707	704	28	708
\$20 and over, .	•	: :	376	8	879	362	i	363
	•					l		
Totals, .	•		2,714	1,012	8,726	2,760	966	3,726

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES - 1890, 1891 - Continued.

CLOTHING. [113 Establishments.]

		CLOI	HING.	[113 E8	tablishm	ents.		
CLASSIFICATION (y Wı	BEKLY		1890			1891	
WAGE	•		Males	Females	Total	Males	Females	Total
Under \$5,			167	1,000	1.000	130	1 244	1 474
\$5 but under \$6,	•		119	1,062 783	1,229 902	92	1,344 1,031	1,474 1,123
\$6 but under \$7,	•		180	1,220	1,400	169	1,097	1,126
\$7 but under \$8,	•		166	1,232	1,398	130		1,361
\$8 but under \$9,	•		175	752	927	165	1,231 738	903
\$9 but under \$10,	•		235	480	715			663
\$10 but under \$12,	•		821	435	756	237 324	426 282	606
12 but under \$15,	•		484	135	619	519	141	660
15 but under \$20.	•	• •	571	81	602	590	55	645
20 and over.	•		412	12	424	887	20	407
pao and over, .	•				424		20	401
TOTALS, .	•		2,830	6,142	8,972	2,743	6,365	9,108
COOKING,	LIG	HTING		HEATI ishments		PARATU	S. [31]	Estab-
Juder \$5,			57	4	61	83	5	88
\$5 but under \$6,	:	: :	85	9	44	46	8	49
\$6 but under \$7,			66	6	72	83	9	99
\$7 but under \$8,	:		98	6	104	117	8	120
\$8 but under \$9,	:		126	i	127	117	1 2	119
\$9 but under \$10,			257	8	260	365	2 2	867
10 but under \$12,	:	: :	327	ž	329	301	4	805
12 but under \$15,	•	: :	478	=	478	487	1 2 1	487
15 but under \$20,		: :	493	_	498	498	1	499
20 and over,	:	: :	303	_	303	323		823
Totals, .			2,240	31	2,271	2,420	29	2,449
CC	RD	AGE A	AND T	VINE.	[25 Esta	blishmen	its.]	· · · · · · · · ·
Under \$5,			224	793	1,017	201	713	914
\$5 but under \$6,			243	578	821	234	693	927
\$6 but under \$7,			244	337	581	308	317	625
\$7 but under \$8,			164	68	232	247	99	846
\$8 but under \$9,			341	27	868	470	27	497
\$9 but under \$10,			870	15	385	513	11	524
110 but under \$12.			132	l –	132	164	; <u> </u>	164
12 but under \$15, 15 but under \$20,			171	_	171	160	i - !	160
15 but under \$20.			115	-	115	133	1	138
20 and over, .			32	-	32	29	ì - I	29
TOTALS, .			2,036	1,818	3,854	2,459	1,860	4,819
COF	ks,	BUN	GS, AN	D TAPS	3. [4 Es	tablishm	ents.]	
Jnder \$5,			10	11	21	11		20
\$5 but under \$6,	•	: :	ĩ	'n	2	1 7	l il	
\$6 but under \$7,	:	: :	Î.	-	1	ا	1 1	Ã
\$7 but under \$8,	:	: :	8	1	4	l i	-	ī
\$8 but under \$9,			2	-	2	1 4	-	â
\$9 but under \$10,		: :	7	-	2 7	1 4 4	-	7
10 but under \$12,	·	: :	2 7 3	-	3	1 4	-	7
12 but under \$15,	:		ă	-	4	4 8	1 [9
15 but under \$20,	:		4 2	_	2	ž	-	8 4 1 4 4 4 2 2
20 and over, .		. :	:	_		1 -	_	-
	•	•				<u> </u>		
_								

13

36

TOTALS, .

10

WAGES PAID: BY INDUSTRIES—Continued. CLASSIFIED WEEKLY WAGES: BY INDUSTRIES—1890, 1891 —Continued.

COTTON GOODS. [157 Establishments.]

			711	OI	GOOD	5. [101	135000115	nmenos.		
CLASSIFICATI	on o	r W	ERKL	¥		1890			1891	
	AGE.			-	Males	Females	Total	Males	Females	Total
Under \$5					6,992	12,311	19,303	7,092	12,845	19,437
\$5 but under	44	•	•	•	8,344	7,917	11,261	3,495	7,966	11,461
86 but under	\$ 7,	•	•	:	6,005	7,980	13,985	6,089	7,944	14,033
\$7 but under	\$8,	•	•		3,964	5,003	8,967	3,935	5,416	9,351
\$8 but under	9 6	•	•	•	3,239	2,789	6,028	3,624	3,695	7,319
\$9 but under	\$ 10.	•	•	:	3,896	1,694	5,590	3,849	1,804	5,653
\$10 but under	112	•	•		3,690	628	4,318	3,734	694	4,428
\$12 but under	15.	•	•	•	2,301	59	2,360	2,370	49	2,419
\$15 but under	20,	•	•	•	868	1 2	868	903	ĭ	904
\$20 and over,	ψ=υ,	•	•	:	475	_	475	537		537
TOTALS,	•	•	•	•	34,774	38,381	78,155	35,628	39,914	75,542
	•	_			02,114	00,001	10,100	00,023) 00,012	10,012
COTTON,	w	001	LLE	N,	AND O	THER 1	TEXTILI	ES. [3]	Establish	ments.]
Under \$5, .					86	216	302	78	129	207
\$5 but under	\$ 6,	•	•	•	32	285	817	51	301	352
\$6 but under	\$ 7,	•	•	:	169	343	512	160	356	516
\$7 but under	\$ 8,	•	•	:	270	266	536	329	207	536
88 but under	2 9.	Ċ	•	:	79	106	185	106	202	308
89 but under	\$ 10.	·			111	15	126	115	81	196
\$10 but under	\$12.			·	81	9	90	109	6	115
\$12 but under	\$ 15.			•	145	_	145	145	1	146
\$15 but under	š 20.				44	-	44	30	- '	30
\$20 and over,	٠.٠				20	-	20	23	-	23
-					1 005	7.040	0.077	1140	1.000	2,429
Totals,	•	•	<u>.</u>		1,037	1,240	2,277	1,146	1,283	2,429
CRAYO	ONS	, I	EN	CII	s, cru	CIBLES	, ETC.	[4 Esta	blishmen	ts.]
Under \$5, .					8	_	8	2	_	2
\$5 but under	\$6,			•	_	i -		-	-	-
86 but under	\$7,				5	-	5	5	-	5
\$7 but under	\$8,	Ü	-		8	l -	8	_	-	_
\$8 but under	99.					-	_	-	-	-
\$9 but under	\$10.			:	4	-	4	14	-	14
\$10 hut under	\$ 12.			•	6	_	6	5	=	5
\$12 but under	\$15.			·	22	-	22	6	-	6
\$15 but under	\$20.		•		2	-	2	5	-	5
\$20 and over,		•	•	•	-	-	-	-	-	-
TOTALS,			•	•	50	-	50	37	-	87
	DR	UG	S A	NI	MEDI	CINES.	[19 Est	ablishme	ents.]	·
Under \$5, .	_			•	36	30	66	80	41	71
\$5 but under	\$ 6.	:	:	:	7	44	51	6	69	75
86 but under	\$ 7.	•	:		12	69	81	12	72	84
\$7 but under	8 8,	:	:		14	33	47	21	82	53
\$8 but under		:	•		26	4	30	19	22	41
\$9 but under		:	:	:	33	3	36	56	5	61
\$10 but under		:	:	:	32	4	36	32	5	87
\$12 but under	815.	·	·	•	37	5	42	39	1 4	43
\$15 but under	20.	:	:	:	39	ı	40	36	2	38
\$20 and over.	~-·,	:	·		ő	1 =	9	8	1 =	8
	-		•	-						
Totals,	•	•	•	٠	245	193	438	259	252	511
						1		1	i	

146 STATISTICS OF MANUFACTURES. [Fab. Doc.

WAGES PAID: BY INDUSTRIES—Continued CLASSIFIED WEEKLY WAGES: BY INDUSTRIES—1890, 1891 — Continued.

DYESTUFFS. [7 Establishments.]

	_	=								
CLASSIFICATIO	N O	. W:	ERKL	.		1890			1891	
	GE.				Males	Females	Total	Males	Females	Total
Under \$5, .					1	2	8	8	_	8
\$5 but under	\$6,				1	1	2	2	5	7
\$6 but under	87,			•]	4	8	7	3	6	9
\$7 but under 1	88,				13	8 1	16	20	2	22
\$8 but under 1	\$ 9,	•	•		1	1	2	_6	1	7
\$9 but under \$	10,	•	•	•	63 92		63	71	-	71
\$10 but under \$ \$12 but under \$	15,	•	•	•	87	-	92 87	85 26	l -	85 26
\$15 but under \$		•	•		5		5	10		10
\$20 and over.		:	:	: 1	ĭ	_	ĭ	i	_	ĩ
TOTALS,					218	10	228	227	14	241
						l		!	l	
EARTHE	N,	PL	AS'	CEI	R, AND	STONE	WARE	. [4 Es	tablishm	ents.]
Under \$5.				.	18	22	40	7	82	89
\$5 but under					4	5	9	9	=	9
\$6 but under	\$ 7,				4	I -	4	11] -	11
\$7 but under		•	•	•	12	-	12	17	-	17
\$8 but under	\$9,	•	•	•	69 18	-	69	26 29	:	26 29
\$9 but under \$ \$10 but under \$	10,	•	•	•	28	_	18 28	61	-	61
\$12 but under \$		•	•	•	18	1 -	18	86	1 -	86
\$15 but under \$	20.	•	:	•	26	-	26	25		25
\$20 and over,			·		10	۱ -	10	10	۱ -	10
4 20								l		
TOTALS,	•	•	•	•	207	27	234	231	32	263
ELECTRIC Under \$5, . \$5 but under \$6 but under \$8 but under \$8 but under \$8 but under \$10 but under \$12 but under \$15 but under \$15 but under \$20 and over, Totals,	\$6, \$7, \$8, \$9, \$10, \$12,	:			164 109 76 210 241 122 346 549 549 549 549 549	49 44 55 56 49 43 20 	213 153 131 266 290 169 366 549 184 2,867	196 116 114 187 221 182 898 545 699 218	87 40 40 45 33 52 17 6 319	283 156 154 232 254 415 550 699 218 3,195
Under \$5, .					4	1	5	2	<u>, </u>	2
\$5 but under	\$ 6,	:	:	:	ī	1	2	8	1	4
86 but under	87.	•			8	1	9	4	8	7
\$7 but under	\$ 8,	٠		•	4	=	4	8	-	8
\$8 but under	\$ 9,	•	•	•	4	1	5	5	-	. 5
\$9 but under \$	10,	•	•	• •	5 16	I -	5 16	16 16	-	16
\$10 but under \$ \$12 but under \$	115	•	•	•	23	1 -	23	20	:	16 20
\$15 but under \$:	:	•	14	1 -	14	16	-	16
\$20 and over.	,,	:	:	:	1 78	1 -	8	2		2
· _ · ,	-	-	-	•	ļ	ļ			·	
TOTALS,	•	•	•	•	82	4	86	87	4	91

WAGES PAID: BY INDUSTRIES - Continued.

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES - 1890, 1891 — Continued.

EMERY AND	SA.	ND :	PA	PER A	ND CLC	TH, ET	C. [18	Establish	ments.]
CLASSIFICATION O	r W	ERKLY			1890			1891	
WAGE.				Males	Females	Total	Males	Females	Total
Under \$5,				8	-	8	9	- 1	9
\$5 but under \$6,				5	8	18	5	8	13
\$6 but under \$7,	•	•	٠	12	1	13 9	9	i	10
\$7 but under \$8, \$8 but under \$9,	:	•	•	9 13		18	14	[]	9 14
\$9 but under \$10,	:	:	:	68	-	68	101	- - 1	101
\$10 but under \$12,	•			84	1	85	103	1	104
\$12 but under \$15,	•	•	•	68	-	63	47	-	47
\$15 but under \$20, \$20 and over,	•	•	•	27 7	- 1	27 7	81 14		81 14
φω and over, .	•	•	•						
Totals, .	•	•	٠	291	10	801	842	10	852
	F	ANC	r	ARTICI	ES. [6	Establis	hments.]		
Under \$5,				10	125	185	6	87	93
\$5 but under \$6,	•	•	•	8	42	45	2	42	44
\$6 but under \$7,	•	•	•	8	28	31 18	1	39 11	40
\$7 but under \$8, \$8 but under \$9,	•	•	•	2 8	16 7	10	2 3 2 7 5		13 8 5 8 5
\$9 but under \$10,	:	• •	:	6	أي أ	8	1 2	5 8 1	5
\$10 but under \$12.		•		4	2 1	5 7	7	1	8
\$12 but under \$15,	•	•	•	.7	-		5	-	. 5
\$15 but under \$20,	٠	•	•	15 4	-	15 4	10 4	-	10 4
\$20 and over, .	•	•	•			*			*
TOTALS, .	•	•	•	57	221	278	42	188	230
		FEF	T	ILIZER	S. [7 E	stablishm	nents.]		
Under \$5,				-	-	- :	-	_	-
\$5 but under \$6,	•		•	_ =	-	-	=	-	-
\$6 but under \$7,	•	•	٠	3 3	-	8 8	2 2	-	2
\$7 but under \$8, \$8 but under \$9,	•	•	•	21] [21	21	[21
\$9 but under \$10,	:	:	:	40	=	40	41	-	41
\$10 but under \$12,				18	-	18	9	-	9
\$12 but under \$15,	•	•	•	9	-	9	13	- '	13
\$15 but under \$20, \$20 and over, .	•	•	•	5 1		5 1	8 1	:	2 2 21 41 9 13 8
Totals, .	•	•	•	100	<u> </u>	100	92	<u> </u>	92
TOTALS, .	<u> </u>	•	_	100	l <u>-</u>	100	82	<u> </u>	92
FINE	AI	RTS	A	ND TA	XIDERM	[Y. [2]	Establish	ments.]	
Under \$5,				1	-	1	2	1	8
\$5 but under \$6,	•	•	•	-	-	-	-	1 :	-
\$6 but under \$7, \$7 but under \$8,	•	:	•	=	-	-	1 7	1	1 1 2
\$8 but under \$9,	:	:	:	ī	=	ī	1 2	1 -	2
\$9 but under \$10,		•		:	_	-	-	-	_ =
\$10 but under \$12,	•	•	٠	-	-	- 1	-	-	-
\$12 but under \$15,	•	•	•	8	-	8	:	-	-
\$15 but under \$20, \$20 and over, .	•	•	٠	8	_	8	4	-	4
den attrantari	•	•	•						
TOTALS, .	•	•	•	8	-	8	9	2	11
				,	1	1	ı		1

TOTALS,

WAGES PAID: BY INDUSTRIES - Continued.

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES-1890, 1891 - Continued.

FIREWORKS AND MATCHES. [3 Establishments.]

FIR	EW	ORKS	AND N	IATCHE	S. [3 E	stablishn	nents. j	
CLASSIFICATION	o r W	REKLY		1890			1891	
WAG	R.		Males	Females	Total	Males	Females	Total
Under \$5,			. 24	10	84		1	1
\$5 but under \$6	, .		. 5	10	15	24	9	83
\$6 but under \$7 \$7 but under \$8	, .	•	7	2	9	7	13	20
\$8 but under \$9		: :	1	_	1	2	-	2
\$9 but under \$10			. 8	1	9	16	1	17
\$10 but under \$12				-	8	8 8	-	2 17 8 8
\$12 but under \$15 \$15 but under \$20		: :		-	2	8	-	5
\$20 and over, .	•	: :		-	1 1	ll ĭ	_	ĭ
Totals,				23	81	71	24	95
	· MD	TTTT	E AND	TINEN	COODS	[]	tablishme	nta 7
FLAX, HE	MP,	JUT	E, AND	LINEN	GOODS	. Lo resi	raonsnine	ents. j
Under \$5,			245	407	652	204	424	628
#5 but under #6	, .		. 107	271	378	95	288	383
\$6 but under \$7	, .		155	184	339 254	147	170	817 171
\$7 but under \$8 \$8 but under \$9		•	190 82	64	89	114 67	57 25	92
\$9 but under \$10		: :	149	<u>-</u>	149	125		125
\$10 but under \$12	, .		. 83	-	83	105	- 1	105
\$12 but under \$15			1 00	-	97 26	87 88	-	87 38
\$15 but under \$20 \$20 and over, .	, .	: :		-	20	00	1 -	2
	•			- 000		984	964	
TOTALS, .	•	• •	1,136	933	2,069	904	904	1,948
F	OOD	PRE	PARAT	ions. [264 Esta	blishmen	its.]	
Under \$5,			*209	1,084	*1,293	183	885	1,068
25 but under 26	, .		131	376	507	153	459	612
\$6 but under \$7	, .			309	739 424	394	346 135	740 623
\$7 but under \$8 \$8 but under \$9		: :	1 440	115 58	502	488 400	61	461
\$9 but under \$10			1,006	32	1,038	1,732	24	1,756
\$10 but under \$12			1,705	13	1,718	1,979	21	2,000
\$12 but under \$15			1 '501	10 2	1,367 533	1,560 666	21 1	1,581 667
\$15 but under \$20 \$20 and over.	• •	: :	1	1 1	194	176	1	176
Totals,	•	•		1,995	*8,315	7,731	1,953	9,684
			-,			1 .,		-,
		FURI	VITURE.	[120 E	stablishn	nents.]		
Under \$5,			205	123	328	210	162	372
\$5 but under \$6	, :	: :	140	74	217	112	74	186
\$6 but under \$7			178	86	264	182	83	265
287 but under 288		٠,		62 49	327	214 299	74	288
\$8 but under \$9 \$9 but under \$10	•	: :	1 400	69	471 557	600	73 40	372 640
\$10 but under \$12			049	20	661	697	25	722
\$12 but under \$15			767	5	772	797	2	799
\$15 but under \$20	, .		556 88	1 -	556 88	480 119	ī	480 120
\$20 and over, .	•					118		120

^{*} Includes 1 with board.

3,753

4,244

534

3,710

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES—1890, 1891—Continued.

GLASS. [10 Establishments.]

CLASSIFICAT	PION (or W	RRKL			1890	•		1891	
	WAGE				Males	Females	Total	Males	Females	Total
Inder \$5, .	•	•			46	15	61	53	22	71
\$5 but under	86,	•			14	2 6	16	18	3	2
\$ 6 but under			•	.	80	6	36	39	6	4
\$7 but under	- \$8,			.	52	1 4 1	56	85	4	89
🛊 8 but under			•	.	83	-	88	21	- 1	2
\$9 but under	\$10,	•	•	.	22	1	23	24	1	2
10 but under	\$12,	•	•	•	41	1	42	41	1 1	4:
112 but under 115 but under		•	•	٠ ۱	42 126	<u>-</u>	42 126	47 129	- 1	4' 12
20 and over.	\$20,	•	•		59	[59	58	1 []	5
Totals,	•	•	•		465	29	494	460	36	49
TOTALS,	•	•			400	25	101	100	00	
GLI	J E ,	ISI	NG	LAS	SS, AN	D STAR	CH. [1	4 Establ	ishments.]
nder \$5, .				.	-	89	89	4	8	1:
\$5 but under	\$6,		• .		6	5	11	17	35	5
86 but under		•		•	28] _1	29	84	5	8
\$7 but under	\$8,	•	•	•	80	16	96	76	16	9
88 but under		•	•	•	41	- 1	41	42	1 1	4
89 but under	\$10,	•	•	•	168 136	-	168 136	131 139	-	13 13
110 but under 112 but under	8 12,	•	•	•	136 46	-	46	39	1 []	39
15 but under	\$10 ,	•	•	•	20	1 [20	17		ĭ
20 and over,	ф20,	•	•	•	20	1 - 1	20		1 - 1	
zo anu over,										
Managa		•	•	•	- ROE			500	85	5.61
TOTALS,	•	•	•	·	525	61	586	500	65	. 56
HAIR Juder \$5, \$6 but under \$6 but under \$7 but under \$8 but under 10 but under 110 but under 115 but under	\$6, \$7, \$8, \$9, \$10, \$12, \$15,	ORE	: (A	NI		80 84 46 - 6 1 5 1 1 1 -		500	85 88 8 1 4 - 4	. 56
HAIR Juder \$5, \$5 but under \$6 but under \$7 but under \$8 but under \$10 but under \$10 but under \$15 but under	\$6, \$7, \$8, \$9, \$10, \$12, \$15,	:	: : : : :	NI	MAL A	ND HUN 80 84 46 -6 1 5	MAN). 42 89 47 5 15 12 83 25 4	500 [10 Esta 8 3 4 4 5 16 20 33 15	30 58 8 1 4 - 4 - 4	. 56 ts.]
HAIR Junder \$5, \$6 but under \$6 but under \$7 but under \$8 but under \$10 but under 112 but under 115 but under 120 and over,	\$6, \$7, \$8, \$9, \$10, \$12, \$15,			ANI	MAL A 12 5 1 5 9 11 28 24 8 1 99	ND HUN 80 84 46 6 1 5 1	MAN). 42 89 47 5 15 12 83 25 4 1	500 [10 Esta 8 3 4 4 4 5 16 20 38 15 2	30 58 8 1 4 - 4 105	38 8 1 1 2 3 3 1
HAIR Juder \$5, \$6 but under \$6 but under \$8 but under \$8 but under \$9 but under 112 but under 112 but under 112 but under 120 and over, TOTALS,	\$6, \$7, \$8, \$9, \$10, \$15, \$20,			ANI	MAL A 12 5 1 5 9 11 28 24 8 1 99	ND HUN 80 84 46 - 6 1 1 1 1 1 124	MAN). 42 89 47 5 15 12 83 25 4 1	8 8 4 4 5 16 20 33 15 2 110	blishment	38.] 38.66 11.11.11.11.11.11.11.11.11.11.11.11.11.
HAIR Jnder \$5, \$6 but under \$6 but under \$7 but under \$9 but under 112 but under 112 but under 112 but under 120 and over, TOTALS,	\$6, \$7, \$8, \$9, \$12, \$15, \$20,			ANI	MAL A 12 5 1 6 9 11 28 24 8 1 99 ER, LIN	ND HUN 30 34 46 - 6 1 5 1 1 - 124 JEN, ET	MAN). 42 89 47 5 18 12 83 25 4 1 228 C. [5 F	10 Esta 8 3 4 4 5 16 20 38 15 2 110 Establish	blishment 30 58 8 1 4 - 105 ments.]	. 566 28.]
HAIR Juder \$5, \$5 but under \$6 but under \$7 but under \$9 but under 110 but under 112 but under 113 but under 114 but under 115 but under 116 but under 117 but under 118 but under 119 but under 119 but under 119 but under 119 but under 119 but under 119 but under 119 but under 119 but under 119 but under 119 but under	*6, \$7, \$8, \$9, \$10, \$12, \$15, \$20,			ANI	MAL A 12 5 1 5 9 11 28 24 3 1 99 ER, LIN	ND HUN 80 84 46 - 6 1 1 - 124 JEN, ET	MAN). 42 89 47 5 12 83 25 4 1 228 C. [5 F	10 Esta 8 3 4 4 5 16 20 33 15 2 110 Establish 17 9 10	30 58 8 1 4 - - 105 ments.]	56. 56. 38. 66 11. 12. 23. 31. 12. 21. 32. 21. 32. 21. 33. 22. 13. 33. 34. 34. 34. 34. 34. 34. 34. 34. 3
HAIR Jnder \$5, \$6 but under \$6 but under \$7 but under \$9 but under 112 but under 112 but under 120 and over, TOTALS, Jnder \$5, \$5 but under \$6 but under \$7 but under	\$6, \$7, \$8, \$9, \$10, \$12, \$15, \$20,			ANI	MAL A 12 5 1 5 9 11 28 24 8 1 99 ER, LIN	ND HUN 80 84 46 - 6 1 1 - 124 JEN, ET	MAN). 42 89 47 5 15 12 83 25 4 1 228 C. [5 F	8 8 3 4 4 5 16 20 33 15 2 110 Establish	30 58 8 1 4 - - 105 ments.]	. 566 88.] 88 66 11 12 23 83 11 21
HAIR Juder \$5, \$6 but under \$6 but under \$7 but under \$9 but under \$10 but under \$12 but under \$12 but under \$12 but under \$15 but under \$15 but under \$15 but under \$15 but under \$15 but under \$15 but under	*** \$6, \$7, \$8, \$9, \$10, \$12, \$20, \$10			ANI	MAL A 12 5 1 1 5 9 11 12 28 24 3 1 99 ER, LIN	ND HUN 80 84 46 - 6 1 1 - 124 JEN, ET	MAN). 42 89 47 5 12 12 83 25 4 1 228 C. [5 F	10 Esta 8 3 4 4 4 5 16 20 33 15 2 110 Establish 17 9 10 10 17	30 58 8 1 4 - - 105 ments.]	. 56. 38 61: 11: 22: 21: 38 22: 11: 11: 11: 11: 11: 11: 11: 11: 11:
HAIR Juder \$5, \$6 but under \$6 but under \$8 but under \$9 but under 12 but under 12 but under 20 and over, Totals, Juder \$5, \$5 but under \$6 but under \$7 but under \$8 but under	* \$6, \$9, \$10, \$10 S			BBI	MAL A 12 5 1 5 9 11 28 24 8 1 99 ER, LIN 10 8 11 12 17 81	ND HUN 80 84 46 - 6 1 1 - 124 VEN, ET	MAN). 42 89 47 5 15 12 83 25 4 1 228 C. [5 F	10 Esta 8 3 4 4 5 16 20 33 15 2 110 Establish 17 9 10 10 17 32	30 58 8 1 4 - - 105 ments.]	38.] 38.66 61.11 22.38 31.11 32.11 33.11 33.11 33.11 33.11 33.11
HAIR Junder \$5, \$6 but under \$6 but under \$7 but under \$8 but under \$9 but under 12 but under 12 but under 12 but under 12 but under 14 but under 15 but under 15 but under 16 but under 17 but under 18 but under 18 but under 18 but under 18 but under 18 but under 18 but under 18 but under	*** \$6, \$7, \$8, \$9, \$10, \$12, \$15, \$20, \$10, \$15, \$20, \$10, \$10, \$10, \$10, \$10, \$10, \$10, \$1	E:		ANI	MAL A 12 5 1 5 9 11 12 28 24 8 1 99 ER, LIN 10 8 11 12 17 31 28	ND HUN 30 34 46 - 6 1 5 1 1 - 124 JEN, ET 11 6 3 6 1 1 2	MAN). 42 89 47 5 15 12 83 25 4 1 228 C. [5 F	10 Esta 8 3 4 4 5 16 20 38 15 2 110 Establish 17 9 10 10 17 32 35	30 58 8 1 4 - - 105 ments.]	56 ts.] 38 66 1 12 23 31 1 21 21 33 3
HAIR Junder \$5, \$6 but under \$7 but under \$8 but under \$9 but under 10 but under 112 but under 120 and over, Totals, Junder \$5, \$5 but under \$7 but under \$8 but under \$8 but under \$9 but under \$9 but under \$9 but under	*65, \$7, \$8, \$9, \$10, \$12, \$15, \$20, \$10, \$10, \$12, \$15, \$20, \$10, \$12, \$15, \$20, \$10, \$12, \$15, \$15, \$15, \$15, \$15, \$15, \$15, \$15	E:		BBI	MAL A 12 5 5 9 11 28 24 3 1 99 ER, LIN 10 8 11 12 17 81 28 26	ND HUN 80 84 46 - 6 1 5 1 1 - 124 VEN, ET	MAN). 42 89 47 5 12 83 25 4 1 228 C. [5 F	10 Esta 8 3 4 4 5 16 20 33 15 2 110 Establish 17 9 10 10 10 17 32 35 42	30 58 8 1 4 - - 105 ments.]	56 8.] 8 6 1 1 2 2 3 1 1 1 1 1 3 3 4 4
HAIR Jnder \$5, . \$5 but under \$6 but under \$7 but under \$8 but under \$9 but under \$10 but under \$12 but under \$12 but under \$12 bat under \$20 and over, TOTALS, \$5 but under \$5 but under \$6 but under \$6 but under	*65, \$7, \$8, \$9, \$10, \$12, \$15, \$20, \$10, \$10, \$12, \$15, \$20, \$10, \$12, \$15, \$20, \$10, \$12, \$15, \$15, \$15, \$15, \$15, \$15, \$15, \$15	E:		BBI	MAL A 12 5 1 5 9 11 12 28 24 8 1 99 ER, LIN 10 8 11 12 17 31 28	ND HUN 30 34 46 - 6 1 5 1 1 - 124 JEN, ET 11 6 3 6 1 1 2	MAN). 42 89 47 5 15 12 83 25 4 1 228 C. [5 F	10 Esta 8 3 4 4 5 16 20 38 15 2 110 Establish 17 9 10 10 17 32 35	30 58 8 1 4 - - 105 ments.]	56 ts.] 38 66 1 12 23 31 1 21 21 33 3

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202

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CLASSIFIED WEEKLY WAGES: BY INDUSTRIES - 1890, 1891 - Continued.

HOSIERY AND KNIT GOODS

но	SIERY	ANI) KNIT	GOOD	3. [40 I	Establish	ments.]	
CLASSIFICATION	OF WE	EKLY		1890			1891	
WA			Males	Females	Total	Males	Females ,	Total
Under \$5, .			280	1,804	1,584	276	1,726	2,002
25 but under 2	6, .		114	803	917	121	936	1,057
🏮 🏶 6 but under 🏶	7, .		806	761	1,067	856	838	1,194
\$7 but under \$	8, .		155	466 214	621 293	151	514	665
\$8 but under \$1 \$9 but under \$1	9, . 0, .	•	79 142	100	293 242	101 146	276 141	877 287
\$10 but under \$1	ž, :	: :	145	67	212	178	56	229
\$12 but under \$1	5, .		120	8	123	114	7	121
\$15 but under \$2	0, .		55	2	57	61	2	63
\$20 and over,	• •		89		89	24		24
Totals,	•	• •	1,435	3,720	5,155	1,523	4,496	6,019
INI	K, MU	CILA	GE, AN	D PAST	E. [8]	Establish	ments.]	
Under \$5, .			5	18	23	. 2	84	36
\$5 but under \$	6, .	: :	2	9	11	8	11	19
\$6 but under \$	7, .		4	9	13	4	5	9
\$7 but under \$	8, .		6	7	18	17	4	21
\$8 but under \$1 \$9 but under \$1	y, .		4 8	6	10 8	6	- 1	6 5
\$10 but under \$1	2	: :	29	-	29	3		9
\$12 but under \$1	5, .		2 8	-	2	8	- 1	8
\$15 but under \$2	0, .			-	8	7	-	7
\$20 and over,	• •		4		4	4		4
Totals,			67	49	116	69	55	124
IVORY,	BONE,	SHE	•	D HOR shments.		OS, ETC	. [18 E	stab-
Under \$5, .			29	13	42	23	9	82
\$5 but under \$	6, .		11	16	27	81	17	48
\$6 but under \$ \$7 but under \$	í, . 8		81 84	46 6	77 4 0	44 86	41 9	85 45
\$8 but under \$	9	: :	89	ľ	40	46	5	51
\$9 but under \$1	0, .		106	-	106	82	- 1	82
\$10 but under \$1	2, .		117	1	118	129	1 1	130
\$12 but under \$1 \$15 but under \$2	ð, .	• •	63 16	_	63 16	64	-	64
\$20 and over,		: :	2	=	2	15 2		15 2
Totals,			448	83	531	472	82	554
		LEAT	THER.	[154 Est	ablishme	ents.]		
I'nder 45			110	42	160	104	28	190
Under \$5, \$5 but under \$6	A		118 144	33	177	104	28 48	132 165
\$6 but under &	7	: :	291	24	815	281	24	805
\$7 but under \$8	8		361	25	886	442	29	471
\$8 but under \$1	₹, .	٠ ٠	739	7	746	512	.6	518
\$9 but under \$10 \$10 but under \$15	2	: :	1,872 1,777	10 7	1,382 1,784	1,420 1,690	13 2	1,483 1,692
\$12 but under \$15	5	: :	1,588	<u> </u>	1,588	1,260		1,260
\$15 but under \$20),	. :	568	1	569	493	-	493
\$20 and over, .		• •	192	-	192	157		157
Totals, .	•		7,150	149	7,299	6,476	150	6,626

WAGES PAID: BY INDUSTRIES - Continued.

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES — 1890, 1891 — Continued.

LIQUORS AND BEVERAGES (NOT SPIRITUOUS). [12 Establishments.]

				11	shments.]			
CLASSIFICATION 6	or W	EEKLY	,		1890			1891	
WAGE				Males	Females	Total	Males	Females	Total
Under \$5,				1	_	1	Ì _	_	_
\$5 but under \$6.				3	-	8	8	- 1	3
\$6 but under \$7,		•		3	-	8	8	- 1	8
\$7 but under \$8, \$8 but under \$9,	•	•	•	11	-	11	2	1 - 1	.2
\$8 but under \$9,	•	•	•	16	-	16	12	-	12
\$9 but under \$10, \$10 but under \$12,	•	•	•	12 21	-	12 21	24 22	1 - 1	24 22
\$12 but under \$15,	•	•	•	56	_	56	58	-	58
\$15 but under \$20,	:	:	:	28	_	28	24	-	24
\$20 and over, .	•	•		4	-	4	4	-	4
TOTALS, .	•	•		155	-	155	157	-	157
LIQUORS:	M	ALT,	D		ED, AN		MENTEL). [49 E	Istab-
Under \$5,				8	1	9	9		9
\$5 but under \$6,	:	:	:	5	! :	5	8	1 []	8
\$6 but under \$7,		·		5	i -	5	9	-	ğ
\$7 but under \$8.				25	1 1	26	14	2	16
\$8 but under \$9,	•	•	•	22	1	23	29	-	29
\$9 but under \$10,	•	•	•	111	=	111	117	1	118
\$10 but under \$12, \$12 but under \$15,	•	•	•	142 455	-	142 455	131 581	-	181 531
\$15 but under \$10,	•	•	•	260	_	260	284	[284
\$20 and over, .	:	•	:	45	-	45	43		43
TOTALS, .			•	1,078	3	1,081	1,170	3	1,178
		L	UN	BER.	[25 Esta	blishmen	its.]		
Under \$5,				22	17	39	14	2	16
\$5 but under \$6,	:	:		79	17	16	17	19	24
\$6 but under \$7,		·		35	i	36	15	-6	21
\$7 but under \$8,				64		64	68		68
\$8 but under \$9,	•	•	•	36	-	86	47	-	47
\$9 but under \$10,	•	•	•	304	-	304	245	2	247
\$10 but under \$12,	•	•	٠	154		154	175	-	175
\$12 but under \$15,	•	•	•	108 78	-	108 78	127 88		127 88
\$15 but under \$20, \$20 and over,	:	:		12	-	12	21	-	21
TOTALS, .				822	25	847	805	29	834
MACI	IIN	ES .	ΑN	D MAC	HINERY	. [263]	Establish	ments.]	
Under \$5,				1,042	55	1,097	1,089	43	1,132
\$5 but under \$6,	:	:		555	20	575	614	. 29	643
\$6 but under \$7,	:	:		1,181	66	1,247	1,095	59	1,154
\$7 but under \$8,				1,532	27	1,559	1,395	16	1,411
\$8 but under \$9,				1,243	11	1,254	1,202	11	1,213
\$9 but under \$10,		•	•	2,117	7	2,124	2,167	6	2,173
\$10 but under \$12,	•	•	•	2,449	6	2,455	2,476	9	2,485
\$12 but under \$15,	•	•	٠	3,645 2,867	8 -	3,648 2,867	3,846 2,963	1	3,855 2,964
\$15 but under \$20, \$20 and over,	•	•	•	647	1 -	647	2,903	1 -	669
A== #114 0101, .	•	•	•						
TOTALS				17.278	195	17,473	17,516	183	17,699

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES-1890, 1891 -- Continued.

METALS AND METALLIC GOODS. [277 Establishments.]

MET	AL	S A	IND	M	ETALLI	IC G001	08. [27	7 Establi	shments.	.]
CLASSIFICATI	ION O	F W	EEKL	.Y		1890			1891	
W	VAGE.				Males	Females	Total	Males	Females	Total
Under \$5, . \$5 but under	• a			•	979 606	465 834	1,444 940	943 706	377 307	1,320 1,013
\$6 but under	\$7.	•	•	•	927	299	1,226	979	356	1,335
\$7 but under		:	:	:	1,366	216	1,582	1,557	318	1,875
\$8 but under	89.	:	:	÷	1,762	127	1,889	1,984	148	2,132
\$9 but under	\$10,		•		2,673	61	2,734	2,809	73	2,882
\$10 but under	\$ 12,				2,531	22	2,558	2,676	23	2,699
\$12 but under			•		3,040	27	8,067	3,112	11	3,123
\$15 but under	\$2 0,	•	•	•	2,256	6	2,262	2,386	-	2,386
\$20 and over,	•	•	•	•	673	-	673	849	-	849
TOTALS,	•	•	•	•	16,818	1,557	18,370	18,001	1,613	19,614
		MI	XE	D '	TEXTIL	ES. [1	B Establi	shments.]	
Under \$5, .					66	101	167	75	124	199
\$5 but under	\$ 6,	:	:	:	86	88	119	85	63	98
\$6 but under	\$7.		·	·	106	54	160	101	39	140
\$7 but under	\$ 8.				165	20	185	148	19	167
\$8 but under	\$ 9,	•			59	8	67	74	10	84
\$9 but under	\$ 10,	•	•	•	90	8	93	79	4	83
\$10 but under	\$ 12,	•	•	•	62	-	62	50	4	54
\$12 but under	\$ 10,	•	•	•	80	-	50	36		36
\$15 but under \$20 and over,	\$ 20,	•	•	•	29 11	-	29 11	36	1 -	37 9
\$20 and over,	•	•	•	•	- 11		11	9		
Totals,	•	•	•	•	654	269	923	643	264	907
	мо	DE	LS	Al	ND PAT	TERNS.	[5 Est	ablishme	nts.]	
Under \$5, .					1	-	1	1	-	1 1
\$5 but under			•		-	2	2	1	-	1
\$6 but under	\$7,	•	•	•	-	-	-	1	<u>-</u>	1
\$7 but under	\$8,	•	•	•	1 7	-	1 7	-	1	1
\$8 but under		•	•	•	4	-	4	4	-	4
\$9 but under \$10 but under	₩10,	•	•	•	5		5	1 1	_	1
\$12 but under	\$15	•	•	•	10	1	10	5	-	5
\$15 but under	\$20.	:	•	•	21	1 -	21	29	-	29
\$20 and over,	 -,	:	:	·	3	_	3	i	_	ĩ
TOTALS,					44	2	46	44	1	45
MUSICAL	, IN	ST	'RUI	ME	NTS AN	D MAT	rerials	3. 「46 E	stablish	
					i				l	
Under \$5, .	••	•	•	.•	87	12	99	82	12	94
\$5 but under \$6 but under	\$ 6,	•	•	•	48 83	17 23	65 106	58 96	16 26	74 122
\$7 but under	\$8,	•	•	•	72	18	90	90	20 11	101
\$8 but under	\$ 9.	:	•	:	83	18 3 8	86	97	1 2	99
\$9 but under	\$ 10.	:	÷	:	165	1 8	168	161	2 4	166
\$10 but under		•			301	1 6	307	259	7	266
\$12 but under	\$15,				695	1	696	661		661
\$15 but under					947	-	947	916	-	916
\$20 and over,	•	•	•	•	415	-	415	333	_	333
TOTALS,				•	2,896	83	2,979	2,753	78	2,831

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES—1890, 1891 — Continued.

OILS AND ILLUMINATING FLUIDS. [9 Establishments.]

OILS A	NI) ILL	U.	MINATI	NG FLU	JIDS. [9 Establ	ishments	.]
CLASSIFICATION (of V	WEEKLY			1890			1891	
WAGE	•			Males	Females	Total	Males	Females	Total
Under \$5,				8	12	15	2	1	8
\$5 but under \$6,				2		2	-	7	7
\$6 but under \$7,				5	1	6	1	16	17
\$7 but under \$8,				6	2	8	1	8	4
\$8 but under \$9,				6	-	6	10	1	11
\$9 but under \$10,	•	•	٠	87	-	87	44	1	45
\$10 but under \$12,	•	•	•	67	-	67	67	-	67
\$12 but under \$15,	•	•	٠	49	-	49	69	-	69
\$15 but under \$20,	•	•	•	9 2	_	9 2	8	-	8 1
\$20 and over, .	•	•	•				1		
TOTALS, .				186	15	201	203	29	232
PAINTS, CO	LO	RS, A	N	D CRUI	DE CHE	MICAL	S. [16 I	Establish	
Under \$5,			_	4	10	14	9	6	15
\$5 but under \$6,	:	:	:	11	ı	12	4	8	17
\$6 but under \$7,	:	·		- - 6	2	-8	8	5	13
\$7 but under \$8.		•		8	5	8	5	4	9
\$8 but under \$9,	•	•		5	1	6	9	1	10
\$ 9 but under \$ 10.				78	1	79	85	-	85
\$10 but under \$12.	•	•		59	-	59	53	-	58
\$12 but under \$15,	•	•		53	-	53	54	-	54
\$15 but under \$20,	•	•	•	15	-	15	19	-	19
\$20 and over, .	•	•	•	4	-	4	4		4
Totals, .	•	•	•	238	20	258	250	19	269
PAPE	ER	AND]	PAPER	GOODS.	[102 I	Establish	ments.]	
Under \$5,			.	207	1,198	1,400	219	1,186	1,405
\$5 but under \$6,		•	٠ ا	134	1,087	1,171	112	1,118	1,225
\$6 but under \$7,			٠١	272	1,059	1,331	208	1,235	1,448
\$7 but under \$8,	٠	•	٠١	608	727	1,335	595	775	1,870
\$8 but under \$9,	•	•	۰۱	656	278	934	633	289	922
\$9 but under \$10,	•	•	٠	1,155	99	1,254	1,279	144	1,423
\$10 but under \$12,	•	• .	۰۱	771 830	47 15	818	755 87 6	64	819 891
\$12 but under \$15,	•		٠١	743	2	845 745	725	15	729
\$15 but under \$20, \$20 and over, .	:		:	181	î	182	225	-	225
Totals,				5,557	4,458	10,015	5,627	4,825	10,452
PERFUM	ES	. тот	T.	ET ART		ETC.	[4 Estab	lishment	g. T
		, = -	_				[1	
Under \$5,	•	•	٠	- 4	- 6	10	- 4	8 8	. 8 7
\$5 but under \$6, \$6 but under \$7,	•	•	•	<u> </u>	11	11	i	10	ıi
\$7 but under \$8,	•	:	:		î	î	1 1	8	3
\$8 but under \$9,	:	:	:	_	ŝ	8	8	5	8 8 -
\$9 but under \$10.	:		.	2	ő	8	- 1		
10 but under \$12.			.	2 2	_	ž	2	-	2
10 but under \$12, 12 but under \$15,			.	-	_	- 1	-	-	-
315 but under \$20,			٠	8	-	8	7	-	7
20 and over,	•	•	٠	- 1	-	-	- 1	-	-
Totals, .				11	27	88	17	24	41
			ı				1		

WAGES PAID: BY INDUSTRIES - Continued.

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES-1890, 1891 - Continued.

PHOTOGRAPHS AND PHOTOGRAPHIC MATERIALS. [11 Establishments.]

						1890			1891	
CLASSIFICAT	ON O		EKLY			1000			1991	
*1	AGE.				Males	Females	Total	Males	Females	Total
Under \$5, . \$5 but under					11	14	22	8	8	11
\$5 but under	\$ 6,	•	•	•	8	8	6	8	8	6
\$6 but under	\$ 7,	•	•	•	8	8	-6	2	5	7
\$7 but under	8 8,	•	•	•	5	.9	14	2	8	10
\$8 but under \$9 but under		•	•	•	111	11 6	12 17	5 7	9	14 16
as but under	#10, #112	•	•	•	11	12	23	18	13	26
10 but under 12 but under	4 15	•	•	•	14	7	21	17	8	25
15 but under	\$20.	:	:	:	18	5	18	l îi	7	18
20 and over,	.				26		26	19	1 - 1	19
TOTALS,	•				98	67	165	87	65	152
]	POL	ISH	ES	A	ND DR	ESSING	. [18 E	stablishn	ents.]	
Under \$5, .			_		8	30	83	10	16	26
\$5 but under	\$6,				6	23	29	7	9	16
\$6 but under	\$ 7,				4	80	84	4	28	32
\$7 but under	\$ 8,		•	•	4	16	20	8	1	4
\$8 but under		•	•	•	. 5	9	14	8	5	. 8
\$9 but under		•	•	•	12	6	18	5	8	13
10 but under		•	•	٠	24 38	8 2	27 40	26 37	14 83	40 70
\$12 but under \$15 but under		•	•	•	25		25	31	8	39
20 and over,	4 20,	:	:		18	_	18	14	1 -	14
TOTALS,					139	119	258	140	122	262
PRINTING	, Pt	JBI	ISE	III	IG, AN	BOOK	BINDIN	G. [24	Establish	ments.
Jnder \$5,					173	161	834	166	171	887
\$5 but under		٠	•	•	58	69	127	78	76	149
\$6 but under	\$7,	•	•	•	57 44	114 104	171 148	67 47	108 110	175 157
\$7 but under \$8 but under	ΦO,	•	•	•	59	86	145	63	78	141
\$9 but under	\$ 10.	:	:		85	46	131	65	48	108
10 but under	\$12.	:	:		95	46	141	122	56	178
10 but under 12 but under	\$ 15,				171	21	192	162	22	184
15 but under	\$20,				800	5	805	801	5	306
20 and over,	•	•	•	٠	259	5	264	269	4	273
Totals,	•	•	•	٠	1,301	657	1,958	1,335	678	2,008
PRINT V	W OF	RKS	, D	YE		S, AND		CHERIE	S. [37]	Estab-
Under \$5,					616	245	861	525	219	744
\$5 but under	\$6,	•			174	887	511	170	274	444
	\$7,	•	•	•	618	871	984	521	358	879
86 but under	\$8,	•	•	٠	1,085	146	1,231	1,125	107	1,232
\$7 but under	\$9,	•	•	٠	510	59 25	569 633	497	60 28	557
\$7 but under \$8 but under	A 10'		•	•	608 864	25 18	877	590 860	28	618 36 9
\$7 but under \$8 but under \$9 but under	\$ 10,	•								
\$7 but under \$8 but under \$9 but under \$10 but under	\$10, \$12,	:	•	•				272	1 4	
\$7 but under \$8 but under \$9 but under \$10 but under \$12 but under	\$10, \$12, \$15,	:	:	٠	289	5	294	272 192	4	276
\$7 but under \$8 but under	\$10, \$12, \$15,	:	:					272 192 247	-	276 192 247

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES—1890, 1891
— Continued.

CLASSIFICATION	op V	VREKLY		1890			1891	
WAG	£.		Males	Females	Total	Males	Females	Total
Under \$5,		•	. 4	_	4	18	_	1:
\$5 but under \$6		•	. 15	- 1	15	7	- 1	
\$6 but under \$7		•	. 48	-	48	58	i - I	5
\$7 but under \$8			. 108 123	-	108 123	105	-	10
\$8 but under			1 800	-	529	164 574	-	16- 57-
10 but under \$12			502	-	502	516		51
12 but under \$15			1,046	- 1	1,046	1,330	1	1,83
15 but under \$20			. 504	- 1	504	518	- 1	751
20 and over, .	•	•	48	-	48	32		8
Totals, .	•	•	. 2,922	-	2,922	8,817	-	8,31
RUBB	ER	AND	ELASTI	C GOOT	OS. [80	Establis	hments.]	
nder \$5,			. 288	662	950	208	678	88
55 but under \$6	, .	•	. 129	409	538	154	408	55
6 but under \$7	, .	•	. 277	617	894	209	588	79
7 but under \$8		•	. 441	783	1,224	495	800	1,29
\$8 but under \$9 \$9 but under \$10			. 618 . 771	503 869	1,121 1,140	572 935	540 446	1,11
10 but under \$12			1 000	251	1,079	809	806	1,38 1,11
12 but under \$15			828	76	886	926	88	1,01
15 but under \$20			717	8	725	759	10	76
20 and over, .	•		. 211	1	212	115		11
Totals, .	•	•	. 5,090	8,679	8,769	5,182	3,849	9,08
CIENTIFIC	INS	STRUM	MENTS A	ND APE	PLIANCE	ES. [11	Establish	ments
Inder \$5,	•		. 121	52	178	115	45	10
\$5 but under \$6	, .		. 54	20	74	86	35	12
\$6 but under \$7	, .	•	. 69	21	90	95	22	11
7 but under \$8		•	. 90	5	95	80	11	. 9
8 but under \$9 9 but under \$10		•	. 66	3 2	69 118	105 113	5 2	11
s our nuger #10		•	- 00	2	100	113	8	11
10 hnt nnder @19			116		116	124	"	11
10 but under \$12 12 but under \$15			1 05					
12 but under \$15	, .			- 1	95	1 79		12
12 but under \$ 15 15 but under \$2 0	, .	•.	22	-		79 28	-	12 7
12 but under \$15 15 but under \$20	, .	•		105	95		128	11 12 7 2 1,05
12 but under \$15 15 but under \$20 20 and over, .	; : :	SHIP	. 22		95 22	933	128	12 7 2
12 but under \$15 15 but under \$20 20 and over, . TOTALS, .	; : :	SHIPI	. 22		95 22 952	933	123	1,05
12 but under \$15 15 but under \$20 20 and over, . TOTALS, . Inder \$5, \$5 but under \$6		SHIPI	22 847 BUILDIN 7 7		95 22 952 952 Establish	28 938 ments.]	128	1,05 1,05
12 but under \$16 15 but under \$20 20 and over, TOTALS, Inder \$5,		SHIPI	22 847 BUILDIN 7 7 8		95 22 952 952 Establish 7 7 8	933 ments.]	128	1,05
12 but under \$10 15 but under \$20 20 and over, . TOTALS, . Inder \$5, \$5 but under \$6 57 but under \$6 57 but under \$6 57 but under \$6		SHIPI	BUILDIN 7 7 8 8 9	G. [42]	95 22 952 Establish 7 7 8 9	28 938 ments.] 28 6 7 7	128	1,05
12 but under \$16 but under \$20 20 and over,		:	BUILDIN . 7 . 7 . 8 . 9 . 9 . 25	G. [42]	95 22 952 Establish 7 7 8 9 25	28 933 ments.]	128	1,05
12 but under \$15 but under \$20 20 and over, . TOTALS, . Totals, . 10 and over, . 10 and ov		:	BUILDIN 7 8 8 9 22 847	G. [42]	95 22 952 Establish 7 7 8 9 25 46	28 938 ments.]	128	1,05
12 but under \$10 15 but under \$20 20 and over,		:	BUILDIN 7 7 7 9 24 6 198 198	G. [42]	95 22 952 Establish 7 7 7 8 9 25 46 198	28 933 ments.] 28 6 7 7 44 40 147	128	1,05
12 but under \$10 20 and over, TOTALS, TOTALS, \$5 but under \$6 \$6 but under \$7 \$7 but under \$6 \$8 but under \$1 10 but under \$11 2 but under \$12 2 but under \$12	,	:	BUILDIN 7 8 8 9 22 847	G. [42]	95 22 952 Establish 7 7 8 9 25 46	28 938 ments.]	128	1,05
12 but under \$10 15 but under \$20 20 and over, TOTALS, TOTALS, 55 but under \$6 55 but under \$6 55 but under \$6 55 but under \$6 55 but under \$1 10 but under \$11 12 but under \$12 15 but under \$2	,	:	22 847 BUILDIN 7 7 8 9 25 46 198	G. [42]	95 22 952 Establish 7 7 8 9 25 46 198 243	28 933 ments.] 28 6 7 7 44 40 147 283	128	1,05
Under \$5,	,	:	BUILDIN 7 7 8 9 1 246 198 246 198 243 243	G. [42]	95 22 962 Establish 7 7 8 9 25 46 198 243 362	28 933 ments.] 28 6 7 7 44 40 147 283 428	128	12 7 2 1,05

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES-1890, 1891 -Continued.

SI	LK A	AND	SILK (300DS.	[9 Esta	blishmer	nts.]	
CLASSIFICATION O	P WEE	KLY		1890			1891	
WAGE.			Malee	Females	Total	Males	Females	Total
Under \$5,	:		79 78 12 0	805 628 834	884 701 454	53 63 49	270 605 339	828 668 388
\$7 but under \$8,	•	• •	50	138	188	63	97	160
\$8 but under \$9, \$9 but under \$10,	•	• •	57 65	60 43	117 108	51 97	69 68	120 165
\$10 but under \$12,	:	: :	108	121	229	157	153	· 810
\$12 but under \$15,			176	25	201	90	1	91
\$15 but under \$20,	•		77	2	79	81	-	81
\$20 and over, .	•	• •	25	-	25	24		24
Totals, .	•	•	880	1,656	2,486	728	1,602	2,880
SPORTII	NG A	ND	ATHLE	TIC GO	ODS. [9 Establ	ishments	.]
Under \$5,			80	16	46	50	12	62
\$5 but under \$6,			27	8	80	14	1	15
\$6 but under \$7,	•		20	20	40	37	88	75
\$7 but under \$8, \$8 but under \$9,	•	• •	45 21	- 1	45 21	50 26	6	56 26
\$9 but under \$10.	•	: :	56	- ī	56	75	1 -	75
\$10 but under \$12,			51	1	52	65	- 1	65
\$12 but under \$15,			71	_	71	81	1	82
\$15 but under \$20, \$20 and over.	•	: :	22 12	_	22 12	26 15	-	26 15
TOTALS, .			855	40	395	439	58	497
		ST	ONE. [111 Esta	blishmen	ts.]		
Under \$5,			106	-	106	105	-	105
\$5 but under \$6,		• •	78	-	78	107	-	107
\$6 but under \$7, \$7 but under \$8,	•	•	87 128	_	87 128	112 152	-	112 152
\$8 but under \$9,	:		146		146	152	1 - 1	152
\$9 but under \$10,			479	=	479	387	=	887
\$10 but under \$12,			1,009	-	1,009	989		989
\$12 but under \$15,	•	• •	679 1,002	-	679 1,002	807	-	807 1,150
\$15 but under \$20, \$20 and over, .	:	: :	805	-	305	1,150 309		309
Totals,	•		4,019	-	4,019	4,270	-	4,270
STRAW	ANI	D PA	LM LE	AF GOO	DS. [1	7 Establ	ishments	.]
Under \$5,			88	161	199	29	198	227
\$5 but under \$6,	:	: :	27	233	260	41	224	265
\$6 but under \$7,			51	277	328	76	820	896
\$7 but under \$8,	•		112	294	406	108	818	426

\$7 but under \$8, \$8 but under \$9, \$9 but under \$10, \$10 but under \$12, \$12 but under \$15, \$15 but under \$20, \$20 and over, 70 286 187 869 163 91 261 205 295 112 528 288 270 180 87 149 89 1 8 26 18 3,486 1,847 TOTALS, 2,860 8,707 1,210 2,276

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES -1890, 1891 - Continued.

				1						
CLASSIFICATIO		r We	EKLY			1890			1891	
W.	AGE.				Males	Females	Total	Males	Females	Total
Inder \$5,	•		•		30	76	106	26	72	98
\$5 but under 1	\$6, \$7,	•	•		17 8	8	25 11	10 15	8 4	18 19
	88,	:	•	:	84	3	37	43	1 1	47
\$8 but under	89.	:	:	:	70	2	72	54	2	56
\$ 9 but under \$	10.			.	184	-	184	162	-	162
310 but under \$ 312 b ut un der \$	12,	•	•	•	143 95	ī	143 96	149 90	ī	149 91
315 but under 8		•	:		44	-	44	39		89
20 and over,	•	:			-8	- .	8	10	-	10
Totals,			•	\cdot	633	98	726	598	91	689
тов	AC	co,	SN	נטו	FF, AN	D CIGA	RS. [35	Establi	shments.	
Inder \$5, .					85	174	209	87	176	218
\$5 but under	\$ 6,	•			16	79	95	20	78	98
🏶6 but under 🤌	8 7,	•	•		12	74	86	21	87	108
\$7 but under	\$8, \$ 9,	•	•	٠	17 21	59 9	76 30	17 33	48 10	60 43
\$8 but under : \$9 but under \$	10.	:	•		47	81	78	53	20	78
10 but under \$:	:	:	134	86	170	141	29	170
12 but under 🏶	15,	•	•		259	31	290	285	80	818
15 but under \$ 20 and over.	20,	•	•	٠	34 6 188	8 1	849 189	360 167	13	873 169
Totals,			•		1,075	497	1,572	1,134	483	1,617
тоу	S A	ND	G,	AM	IES (CE	IILDRE	N'S). [8	Establi	shments.]
Inder \$5, .					81	62	143	111	65	176
\$5 but under	\$ 6,	•	•	٠	33	18	51	47	22 29	69
\$6 but under : \$7 but under :	\$7, \$8,	•	•	٠	127 57	20 16	147 78	60 66	18	89 84
\$8 but under	\$ 9.	:	:	:	84	1 7	41	36	5	4:
🏶 but under 🛊	10,				46	2.	48	63	5	6
310 but under 🛊	12,				48	2	50	46	-	40
12 but under		•	•	٠	43	-	43 30	50	-	50 20
15 but under 2 120 and over.	20,	:	:	:	30 9	-		26	_	
						-	1 9 1	1 11		
Totals,					508	127	635	516	144	666
			·	•		127	635	I		1
Totals,			iks	•	ND VA	LISES.	635	516 blishmen	ts.]	666
TOTALS, Juder \$5, .	TI		iks	•	508 ND VA	LISES.	635 [7 Esta 8	516 blishmen	ts.]	66
TOTALS, Under \$5, . \$5 but under \$6 but under	TI \$6, \$7,		iks :	•	508 ND VA	127 LISES.	[7 Esta	516 blishmen	ts.]	66
TOTALS, Juder \$5, \$5 but under \$6 but under \$7 but under	TI \$6, \$7, \$8,		iks	•	508 ND VA	127 LISES.	635 [7 Esta 8 10 3 3	516 blishmen 4 4 3 5	ts.]	66
TOTALS, Under \$5, . \$5 but under \$6 but under \$7 but under \$8 but under	TI \$6, \$7, \$8, \$9,		iks	•	ND VA	127 LISES.	[7 Esta 8 10 3 3 3 3	516 blishmen	ts.]	1 66
Totals, Juder \$5, \$5 but under \$6 but under \$7 but under \$8 but under \$9 but under	*6, *7, *8, *9,		iks	•	508 ND VA	127 LISES.	[7 Esta 8 10 3 3 6 17	516 blishmen	ts.]	1 66
Totals, Juder \$5, \$5 but under \$7 but under \$8 but under \$9 but under \$10 but under \$110 but under \$112 but under \$12 but under \$12 but under \$12 but under \$12 but under \$12 but under \$130 but under \$14 but under \$15 but unde	TI \$6, \$7, \$8, \$9, \$10, \$12, \$15,		iks	•	508 ND VA 4 7 2 3 8 6 17 23	127 LISES.	[7 Esta	516 blishmen 4 4 3 5 4 5 19 29	ts.]	1 1 2
Totals, #5 but under #6 but under #8 but under #8 but under #9 but under #10 but under #15 but under #15 but under	TI \$6, \$7, \$8, \$9, \$10, \$12, \$15,		iks	•	508 ND VA 4 7 2 3 8 6 17 23 41	127 LISES. 4 3 1	[7 Esta 8 10 3 3 8 6 17 23 41	516 blishmen 4 4 3 5 4 5 19 29 37	ts.]	1 1 2 3
Totals, Juder \$5, \$5 but under \$7 but under \$8 but under \$9 but under \$10 but under \$110 but under \$112 but under \$12 but under \$12 but under \$12 but under \$12 but under \$12 but under \$130 but under \$14 but under \$15 but unde	TI \$6, \$7, \$8, \$9, \$10, \$12, \$15,		iks		508 ND VA 4 7 2 3 8 6 17 23	127 LISES.	[7 Esta	516 blishmen 4 4 3 5 4 5 19 29	5 1 4	1
Totals, 55 but under 56 but under 58 but under 59 but under 10 but under 112 but under 115 but under	TI \$6, \$7, \$8, \$9, \$10, \$12, \$15,		iks		508 ND VA 4 7 2 3 8 6 17 23 41	127 LISES. 4 3 1	[7 Esta 8 10 3 3 8 6 17 23 41	516 blishmen 4 4 3 5 4 5 19 29 37	5 1 4	66

WAGES PAID: BY INDUSTRIES - Continued.

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES-1890, 1891 - Continued.

WHIPS. LASHES, AND STOCKS. [15 Establishments.]

Classification of Weekly Males Females Total Males Females
Males Females Total Males Females
\$5 but under \$6,
\$5 but under \$6,
\$6 but under \$7,
\$\frac{3}{2}\text{ but under \$\frac{8}{3}\$, \cdot \cdo
Sut under \$9,
\$10 but under \$12
#12 but under #15
#20 and over,
#20 and over,
WOODEN GOODS. [149 Establishments.] Under \$5,
WOODEN GOODS. [149 Establishments.] Under \$5,
Under \$5,
\$5 but under \$6,
\$5 but under \$6
\$7 but under \$8, 220 6 226 255 5 8 but under \$9, 225 5 230 224 4 89 but under \$10, 428 2 480 469 3 \$10 but under \$12,
\$8 but under \$9, 225
\$9 but under \$10,
\$10 but under \$12
\$12 but under \$15, 577 2 579 570 5 \$15 but under \$20, 779 1 780 937 2 \$20 and over,
\$15 but under \$20, 779 1 780 937 2 \$20 and over,
\$20 and over,
TOTALS,
WOOLLEN GOODS. [138 Establishments.] Under \$5, 1,281
25 but under 26 696 889 1.585 847 910
\$6 but under \$7 1.635 1.206 2.841 1.700 1.195
\$7 but under \$8, 2,048 1,118 3,161 2,081 1,268
\$8 but under \$9, 1,325 763 2,088 1,335 708 \$9 but under \$10,
\$9 but under \$10, 1,646 555 2,201 1,606 482 \$10 but under \$12, 1,331 270 1,601 1,423 354
\$12 but under \$15,
\$15 but under \$20,
\$20 and over, 168 - 168
Totals,
WORSTED GOODS. [21 Establishments.]
Under \$5,
\$5 but under \$6 249 1.113 1.362 360 967
\$5 but under \$6, 249 1,113 1,362 360 967 86 but under \$7 578 1.304 1,882 481 1,142
\$5 but under \$6,
\$5 but under \$6
\$5 but under \$6
\$5 but under \$6,
\$5 but under \$6
\$5 but under \$6

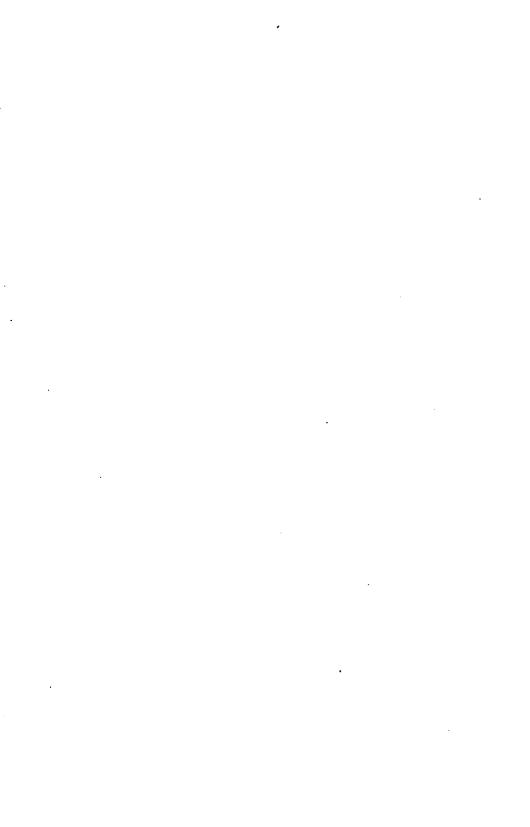
WAGES PAID: BY INDUSTRIES - Concluded.

CLASSIFIED WEEKLY WAGES: BY INDUSTRIES - 1890, 1891 - Concluded.

ALL INDUSTRIES. [3,745 Establishments.]

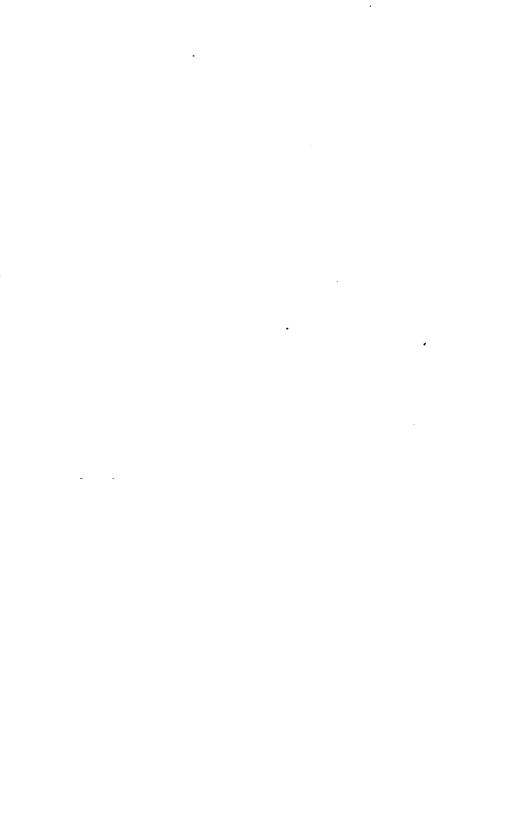
CLASSIFICATION O	, W	'erkl	Ŧ		1890		1891						
Wage.			-	Males	Females	Total	Males	Females	Total				
Under \$5,	•			*17,876	28,980	*46,856	17,466	29,826	46,792				
\$5 but under \$6,				9,456	19,392	28,848	10,133	20,058	80,191				
\$6 but under \$7,				17,364	20,229	87,593	17,236	20,520	87,756				
\$7 but under \$8,				18,364	14,242	82,606	18,835	14,942	33,777				
\$8 but under \$9,				16,994	9,110	26,104	17,630	10,053	27,683				
\$9 but under \$10,				26,672	6,278	82,950	28,591	6,608	85,194				
\$10 but under \$12,				30,603	4,647	85,250	30,981	4,820	35,801				
\$12 but under \$15,				35,821	2,552	38,373	36,687	2,394	39,081				
\$15 but under \$20,				28,208	715	28,923	29,055	789	29,844				
\$20 and over, .	•			9,619	94	9,713	9,515	90	9,605				
Totals, .				*210,977	106,289	*317,216	216,129	109,595	325,724				

^{*} Includes 1 with board.



PROPORTION OF BUSINESS DONE:

BY INDUSTRIES.



PROPORTION OF BUSINESS DONE: BY INDUSTRIES.

[In this presentation, greatest capacity, or maximum production, has been considered as 100 per cent, and the "percentages" given indicate the proportions, for the number of establishments specified, on the basis stated.]

PERCENTAGES — 1890, 1891.

Indust	RIKS.	ANT).			rab- Kents	INDUSTRIES, AND LISHM	
PROPORTION OF				ne.	1890	1891	PROPORTION OF BUSINESS DONE. 1896	1891
Agricultura	ıl Im	plen	rents	•	11	11	Artisans' Tools. 56	56
25 per cent,			•	•	-	1	6 per cent,	1
83 per cent,		•	•	•	-	1	10 per cent, 1	-
85 per cent,			. •		1	-	13 per cent, 1	1
40 per cent,			•		1	1	16 per cent,	1
50 per cent,			•	٠.	8	1	20 per cent, 1	1
55 per cent,		•			1	-	25 per cent, 2	4
60 per cent,				•	-	2	33 per cent,	-
67 per cent,		•			-	1	50 per cent, 11	7
69 per cent,	•				-	1	60 per cent, 1	6
70 per cent,					-	1	65 per cent, 1	8
74 per cent.					1	-	67 per cent, 1	1
75 per cent,					2	2	70 per cent,	8
80 per cent,					2	-	75 per cent, 15	9
•							77 per cent,	1
Arms and	Am	muni	ition.	•	12	12	80 per cent, 5	8
10 per cent,	•	•	•	•	-	1	85 per cent,	2
15 per cent,		•	•	•	1	-	86 per cent,	1
17 per cent,	•	•	•	•	1	1	90 per cent,	5
25 per cent,	•	•	•	•	1	-	92 per cent,	_
33 per cent,				•	-	1	95 per cent,	1
50 per cent,				•	1	-	100 per cent, 8	6
60 per cent,			•		-	1		٠
66 per cent,		•			1	-	Awnings, Sails, Tents, etc. 80	80
70 per cent,					1	-	5 per cent, 1	-
75 per cent,		•			2	2	10 per cent, 1	4
80 per cent,		•			1	2	15 per cent, 1	-
90 per cent,					1	1	20 per cent,	1
97 per cent,					1	-	25 per cent, 6	1
98 per cent,					-	1	83 per cent, 2	2
l00 per cent,					1	2	85 per cent,	1

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES — 1890, 1891 — Continued.

Indust	RIES	, AND	,			TAB- MENTS	Industr	IBS, A	ND			AB- CENTS
PROPORTION OF	Bu	SINES	s Do	er.	1890	1891	PROPORTION OF	Busin	KE88	DONE.	1890	189
Awnings, Sail	, Te	nta, e	tc(Con.			Boots and	Shoes	_c	on.	İ	
40 per cent,					-	1	75 per cent,		•		117	97
50 per cent,					8	10	76 per cent,				2	-
60 per cent,					2	2	77 per cent,				1	3
65 per cent,					_	1	78 per cent,				1	2
67 per cent.					-	2	80 per cent,				42 -	42
70 per cent,					2	2	81 per cent,				1	_
75 per cent,					8	1	82 per cent,				2	1
80 per cent,					1	_	83 per cent,				-	2
00 per cent,	_	-	-		8	2	84 per cent,				-	1
,	•	•	•	•		_	85 per cent,		-		17	13
Boots a	nd .	Shoe	5.		567	567	87 per cent,				4	_
10 per cent,				. •	4	5	88 per cent,				2	1
12 per cent,					1	1	90 per cent,	•	•		85	32
17 per cent,					1	-	91 per cent,	•	•	• •	2	1
18 per cent,					1	1		•	•	• •		1
20 per cent,					4	7	92 per cent,	•	•		-	1
24 per cent,					-	1	93 per cent,	•	•	• •	1	1
25 per cent,			•		20	22	94 per cent,	•	•		-	
80 per cent,		•	:	:	2	9	95 per cent,	•	•	• •	11	16
33 per cent,	:	•	:		14	21	96 per cent,	•	•	• •	2	2
85 per cent,		•		•	1	1	97 per cent,	•	•		2	-
-	•	•	•	•	-	1	100 per cent,	•	•		79	45
87 per cent,	•	•	•	•	l	ŀ	Barres (Barres		177-	\	,,,	141
88 per cent,	•	•	•	•	1 1	-	Boxes (Paper	· ana	WOO	paen).	141	141
89 per cent,	•	•	•	•	-	-	10 per cent,	•	•	• •	-	1
40 per cent,	•	•	•	•	4	8	13 per cent,	•	•		1	-
42 per cent,	•	•	•	•	1	_	19 per cent,	•	•	• •	1	_
43 per cent,	•	•	•	•	-	2	20 per cent,	•	•		1	1
45 per cent,	٠	•	•	•	8	2	25 per cent,	•	•		6	4
48 per cent,	•	•	•	•	1	-	80 per cent,	•	•		-	2
49 per cent,	•	•	•	•	-	1	83 per cent,	•	•		8	4
50 per cent,	•	•	•	•	97	92	35 per cent,	•	•		2	1
54 per cent,	•	•	•	•	-	1	87 per cent,	•			1	-
55 per cent,			•		-	4	40 per cent,	•			-	4
56 per cent,	•				. 1	-	42 per cent,	•			1	-
57 per cent,	• .				1	8	45 per cent,				-	2
58 per cent,					1	8	50 per cent,				18	22
59 per cent,					1	_	55 per cent,				1	1
60 per cent,					22	89	60 per cent,				9	8
62 per cent,			•	•	2	8	64 per cent,				1	1
63 per cent,					1	8	65 per cent,				5	5
64 per cent,			•			1	66 per cent,				1	_
65 per cent,	:		:	:	8	14	67 per cent,			: :	8	5
66 per cent,		•			6	3	70 per cent,	•	-		5	
	•	•	•	•	28	16	72 per cent,	•	•		1	
67 per cent,	•	•	•	•	28 1	2		•	•	• •	84	40
68 per cent,	•	•	•	•	1	1	75 per cent,	•	•			
70 per cent,	•	•	•	•	16	85	76 per cent,	•	•	• •	-	1
72 per cent,	•	•	•	•	2	-	78 per cent,	•	•		-	1

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES - 1890, 1891 - Continued.

Industries, and	Es:	TAB- STKE)		CSTAB- HMENTS
PROPORTION OF BUSINESS DONE.	1890	1891	PROPORTION OF BUSINESS DONE. 184	0 1891
Boxes (Paper and Wooden) —Con.			Burial Cases, Caskets, Coffins, etc. — Con.	1
80 per cent,	11	11	75 per cent,	1
83 per cent,	1	-	80 per cent,	1
85 per cent,	9	9	95 per cent,	. 1
90 per cent,	11	9	100 per cent,	2
93 per cent,	-	1		
95 per cent,	1	2	Buttons and Dress Trimmings. 1	17
98 per cent,	1	_	25 per cent,	1
100 per cent,	18	5	28 per cent,	1
· ·	}		83 per cent,	_
Brick, Tiles, and Sewer Pipe.	45	45	88 per cent.	
40 per cent,	1	-	40 per cent,	ŀ
50 per cent,	7	5	45 per cent,	1
60 per cent,	-	1	50 per cent,	
62 per cent,	1	_	00	
63 per cent,	1	1	l	1
65 per cent,	1	_	_ ,	1
67 per cent,	1	2	00 Po. 0020,	
70 per cent,	8	8	70 per cent,	1
72 per cent,	_	1	75 per cent,	2
75 per cent,	5	4	90 per cent,	1
an	10	8	100 per cent,	8
	10		Carpetings. 19	12
83 per cent,	1	-	1	1
85 per cent,	_	1	···•···	1
90 per cent,	8	2	53 per cent,	-
95 per cent,	<u>-</u>	1	55 per cent,	l l
99 per cent,	1	-	60 per cent,	1
100 per cent,	9	16	65 per cent,	-
Brooms, Brushes, and Mops.	21	21	68 per cent,	1
	1	1	70 per cent,	1
10 per cent,	2	1	75 per cent,	_
20 per cent,	1	1	85 per cent,	-
25 per cent,	_	1	88 per cent,	-
40 per cent,	1	1	90 per cent,	1
50 per cent,	4	4	92 per cent,	1
60 per cent,	-	1	95 per cent,	2
63 per cent,	1	-	98 per cent,	-
65 per cent,	-	1	100 per cent,	2
68 per cent,	-	1	1	
70 per cent,	8	-	Carriages and Wagons. 96	
75 per cent,	8	8	10 per cent,	1
80 per cent,	-	2	15 per cent,	1
90 per cent,	2	2	20 per cent,	-
100 per cent,	8	8	25 per cent,	6
Burial Cases, Caskets, Coffins,			30 per cent,	-
etc.	6	6	83 per cent,	2
		1	40 non cont	. 2
50 per cent,	1	-	40 per cent,	' } Z

PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued.

PERCENTAGES—1890, 1891—Continued.

Indu	STRIES.	AND		Es-	TAB- MENTS	Industr	RIES, AND	,		AB- (ENTS
PROPORTION			DONE.	1890	1891	PROPORTION OF			1890	1891
Carriages as	nd Wa	gons -	- Con.			Clocks, Watch	res, and	Jewelry		
55 per cent,		•			1	65 per cent,	Con.		1	1
60 per cent,				4	3	67 per cent,			4	4
62 per cent,				1 -	1	70 per cent,			4	3
63 per cent,				1	1	75 per cent,			17	17
65 per cent,	-			1	8	80 per cent,			7	7
67 per cent,					1	83 per cent,			_	1
70 per cent,				5	2	85 per cent,			2	2
75 per cent,				15	19	90 per cent,			4	4
76 per cent,			•	1	_	95 per cent,			8	_
80 per cent,		. •		7	6	100 per cent,			7	5
85 per cent,				8	1					
88 per cent,				_	1	Clo	thing.		118	113
90 per cent,				7	12	15 per cent,			1	-
92 per cent,		•		l i		20 per cent,			-	1
95 per cent,				1 -	1	25 per cent,			-	1
100 per cent,		-		17	11	30 per cent,			-	1
200 por 0020,	•	•	•			83 per cent,		•. •,	2	2
Cement, K			, and	١.		38 per cent,			-	1
	Pla ster	•		4	4	40 per cent,			1	-
60 per cent,	•	•		1	-	45 per cent,	•. •		-	1
75 per cent,	•	•	• •	2	8	50 per cent,			11	12
89 per cent,	•	•		-	1	57 per cent,			-	1
96 per cent,	•	•		1	-	60 per cent,			4	10
Chemical Pr		Home	(Chm	1		62 per cent,			1	1
	nndea		(00116-	9	9	65 per cent,			2	1
10 per cent,		•		1	_	66 per cent,			1	_
50 per cent,				4	5	67 per cent,			2	8
67 per cent,				-	1	68 per cent,			_	2
70 per cent,				1	-	70 per cent,			7	9
75 per cent,				1	2	74 per cent,			-	1
85 per cent,				1	_	75 per cent,			39	25
100 per cent,				1	1	80 per cent,			7	11
_						83 per cent,			1	-
Clocks, Wate	ches, a	nd Je	welry.	77	77	84 per cent,			, 1	-
20 per cent,				1	1	85 per cent,			7	8
23 per cent,				-	1	88 per cent,			-	2
25 per cent,				7	2	90 per cent,		,	10	8
30 per cent,				1	3	92 per cent,			_	1
88 per cent,				2	4	93 per cent,			1	_
85 per cent,				_	2	95 per cent,			-	1
40 per cent,				1	2	96 per cent,			-	1
41 per cent,				ı 1	_	98 per cent,			-	1
45 per cent,	•	•		1	-	100 per cent,			15	13
50 per cent,	•			11	12	il i		Henst-		
55 per cent,				1	_	Cooking, Light	ung, ana aratus.	neumng	31	31
60 per cent,				2	5	25 per cent,			1	_
64 per cent,	·			_	1	33 per cent,			1	_
F wond	•	-			ı -	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		- 1	_	

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES — 1890, 1891 — Continued.

Industr	RIES.	AND	•		Es:	rab- Lents	Industr	RIBS, .	AND				AB- IENTS
Proportion of				NE.	1890	1891	PROPORTION OF			s Do	NE.	1890	1891
Cooking, Light Appara	ng,	and	Hea	ting			Cotton G						
40 per cent,		-00	u. •		_	2	25 per cent,	oous.				1	1
45 per cent,	•	:		•	1	2	30 per cent,	•	•	·		1	_
50 per cent,	•	•	•	•	6	8	47 per cent,	•	•	•		_	1
•	•	•	•	•	1	1	50 per cent,	•	•	•		4	1
59 per cent,	•	•	•	•	1	2	52 per cent,	•	•	•		_	1
60 per cent,	•	•	•	•		_		•	•	•	•	-	1
63 per cent,	•	•	•	•	_	1	59 per cent,	•	•	•	•		
65 per cent,	•	•	•	•	2	-	60 per cent,	•	•	•	•	1	1
67 per cent,	•	•	•	•	2	_	65 per cent,	•	•	•	•	-	2
70 per cent,	•	٠	•	•	-	2	66 per cent,	•	•	•	•	1	1
75 per cent,	•	•	•	•	5	6	69 per cent,	•	•	•	•	-	1
80 per cent,	•	•	•	•	2	-	70 per cent,	•	•	•	`•	2	2
82 per cent,		•	•	•	1	1	72 per cent,	•	•	•	•	1	-
85 per cent,		•	•	•	-	4	75 per cent,	•	•	•	•	6	5
87 per cent,					1	_	80 per cent,					6	6
90 per cent,				٠,	1	2	82 per cent,				٠.	1	1
95 per cent,					1	1	83 per cent,					1	8
00 per cent,				٠,	5	4	85 per cent,				۳.	6	8
•				•			86 per cent,				٠.	1	_
Cordage	and	Twi	ne.		25	25	87 per cent,					-	1
45 per cent,		•	•	•	-	1	88 per cent,	•		•		_	1
47 per cent,					1	- :	89 per cent,				Ť	1	1
50 per cent,					6	8	90 per cent,		•	•		9	14
60 per cent,				•.	1	4	91 per cent,		•		•	1	
62 per cent,					_	1	1 -	•	•	•	•	2	
63 per cent.					1	_	92 per cent,	•	•	•			8
65 per cent,			•	•	2	1	93 per cent,	•	•	•	•	1	-
70 per cent,	Ì	Ī		•		i	94 per cent,	•	•	•	•	8	-
75 per cent,		•		·.	8	8	95 per cent,	•	•	•	•	18	18
84 per cent,	•	•	•	٠.	1	-	96 per cent,	•	•	•	•	6	2
85 per cent,	•	•	.•		1	_	97 per cent,	•	•	•	•	5	5
•	•	•	•	:	_	-	98 per cent,	•	•	•	•	5	9
86 per cent,	•	•	•	•	1	-	99 per cent,	•	•	•		4	5
90 per cent,	•	•	•		4	4	100 per cent,			•	••	68	72
91 per cent,	•	•	•	•	-	2							
92 per cent,	•	•	•	•	1	-	Cotton, Wood			Othe	" ,	_	
98 per cent,	•	•	•	•	1	-		ctiles	•			8	3
.00 per cent,	•	•	•	·	2	5	12 per cent,	•	•	•	•	1	-
				•			15 per cent,	•	•	•	•	-	1
Corks, Bun	g s , a	ind!	Taps	•	4	4	70 per cent,	•				-	1
40 per cent,		•		•	-	1	90 per cent,	•		•	•	1	-
60 per cent,			•	•	2	-	100 per cent,	•			•	1	1
70 per cent,					-	1	-	~	-		:		
75 per cent,			•	•	2	2	Crayons, Penc	148, C	ruci	ole s,	etc.	4	4
							55 per cent,	•	•	•	•	1	-
Cotton	Go	ođs.	•		157	157	60 per cent,	•	•	•	•	1	-
12 per cent,	•	•	•	٠.	-	∙1	65 per cent,	•	•	•	•	_	2
15 per cent,			•	٠,	1	-	66 per cent,	•				-	1
23 per cent,				٠.	1	-	80 per cent,					1	_

PROPORTION OF BUSINESS DONE: BY INDUSTRIES — Continued. PERCENTAGES — 1890, 1891 — Continued.

Indust	RIES, AND			AB- (Ents	Industries, and		Est LISH)	AB- IENTS
PROPORTION OF			1890	1891	PROPORTION OF BUSINESS DO	NB.	1890	1891
Crayons, Penci	ls, Crucit	les, etc.			Electroplating — Con.			
90 per cent,	COII.		_	1	25 per cent,		2	2
100 per cent,	• •	: :	1	•	50 per cent,		1	2
100 per cent,		• •	1	-	70 per cent,		-	1
Druge and	l Medicin	es.	19	19	75 per cent,		2	1
12 per cent,			1	-	88 per cent,		_	1
17 per cent,			-	1	85 per cent.		1	_
20 per cent,			-	1	88 per cent,		-	1
25 per cent,			2	1	90 per cent,	. 1	1	_
44 per cent,			i -	1	91 per cent,		_	1
50 per cent,			8	5	100 per cent,		1	_
55 per cent,			-	1	100 per 00_0	- 1	-	
60 per cent,			1	-	Emery and Sand Paper a	nd		
62 per cent,			_	1	Cloth, etc.	ļ.	18	18
63 per cent,			1	-	10 per cent,	•	1	-
67 per cent,			_	1	30 per cent,	•	1	-
75 per cent,			8	8	50 per cent,	•	2	2
80 per cent,			1	1	65 per cent,	•	-	2
100 per cent,			2	8	70 per cent,	.	1	1
,	•		_	1	75 per cent,		-	2
Dou	etufe.		7	7	80 per cent,	•	2	-
50 per cent,			i	2	85 per cent,	.	1	1
60 per cent,		: :	2	:	90 per cent,	-	1	2
66 per cent,	• •	•		1	100 per cent,	.	4	8
67 per cent,	• •			1		- 1		
-	• •		[ı	Fancy Articles.		6	6
68 per cent,	• •	• •	[2	33 per cent,	٠.	1	٠ -
70 per cent,	• •	• •	8	1 1	50 per cent,	.	-	2
75 per cent,			1	[71 per cent,		1	-
88 per cent,			1	-	80 per cent,	.	-	1
Earthen, Pla	ster. and	Stone			85 per cent,	.	2	1
H	are.		4	4	90 per cent,	.	_	1
80 per cent,			1	2	93 per cent,	.	_	1
85 per cent,			1	-	95 per cent,	.	2	_
90 per cent,			1	1		- 1	_	
100 per cent,	• . •		1	1	Fertilisers.	- 1	7	7
		_	1		25 per cent,	.	1	1
Electrical A	ipparatui iances.	and	5	5	40 per cent,		_	1
40 per cent,			_	i	50 per cent,		2	2
50 per cent,		: :	1	i	65 per cent,		1	_
60 per cent,	•		i	-	80 per cent,		1	_
67 per cent,	• •	• •	1 :	1	90 per cent,		1	1
75 per cent,		: :	1		100 per cent,		1	2
100 per cent,			2	2	Too per come,	٠,	•	_
res her center	• •		1	•	Fine Arts and Taxiderm	,,	2	2
Tland	plating.		10	10	80 per cent,		_	1
10 per cent,	puing.		1	10	90 per cent,		_	1
•	• •		1	1	1	•	2	
20 per cent,	• •		•	•	100 per cent,		•	_

PROPORTION OF BUSINESS DONE: BY INDUSTRIES — Continued. PERCENTAGES — 1890, 1891 — Continued.

Indust	RIES.	AND				AB- (ENTS	Industr	rirs,	AND				AB- ENTS
PROPORTION OF			Don	B.	1890	1891	Proportion of	Bus	unes	a Doz	KB.	1890	1891
Fireworks	and	Matc	hee.		8	8	Food Prepa	ratio	ns –	- Con			
50 per cent,		٠.		.	1	1	71 per cent,					r	-
75 per cent,				.	1	1	72 per cent,					1	2
85 per cent,				.	-	1	78 per cent,					1	_
90 per cent,				.	1	-	74 per cent,					-	1
•				- 1			75 per cent,					47	59
Flax, Hemp,	Tute,	and	Lin	en		i	78 per cent,					_	1
	ods	•		- 1	8	8	79 per cent,					1	-
50 per cent,	•	•	•	•	-	1	80 per cent,					15	13
60 per cent,	•	•	•		1	-	82 per cent,					-	1
62 per cent,	•	•	•		1	-	83 per cent,					1	-
66 per cent,	•	•	•	\cdot	-	1	84 per cent,					1	-
70 per cent,	•	•	•	\cdot	-	1	85 per cent,					6	5
75 per cent,	•	•	•		1	-	89 per cent,					1	_
89 per cent,					-	1	90 per cent,					8	18
90 per cent,					1	-	91 per cent,					_	1
96 per cent,				.	1	-	95 per cent,					_	1
97 per cent,					-	1	96 per cent,	•	Ċ	•	•	1	1
96 per cent,				.	1	_	97 per cent,	•			•	1	_
00 per cent,				.	2	3	1	•	•	•	•	27	17
• ,							100 per cent,	•	•	•	•	24	
Food Pr	epar	ation	ı.	- 1	264	264	Fur	nitus	re.			120	120
10 per cent,				.	4	1	8 per cent,					_	1
12 per cent,					_	1	10 per cent,					1	1
15 per cent,					1		12 per cent,					1	_
19 per cent,			•		-	1	15 per cent,			•		1	1
20 per cent,	•	•	Ť		2	6	16 per cent,			•		1	1
22 per cent,	•	:	•		1	_	20 per cent,					_	2
25 per cent,		•	•	- 1	19	14	25 per cent,	:	:	•		4	6
-	•	•	•		2	2	28 per cent,	•		:	•	1	_
80 per cent,	•	•	•	.	9	7	33 per cent,	•	٠			2	2
88 per cent,	•	•	•			•	35 per cent,	•	•	•		-	2
85 per cent,	•	•	•	٠,	1	-		•	•	•	•	1	
87 per cent,	•	•	•		-	1	40 per cent,	•	•	•	•	2	
40 per cent,	•	•	•	.	5	7	45 per cent,	•	•	•	•		22
41 per cent,	•	•	•	.	1	_	50 per cent,	•	•	•	•	18	
45 per cent,	•	•	•		-	1	55 per cent,	•	•	•	•	2	-
49 per cent,	•	•	•		1		60 per cent,	•	•	•	•	2	6
50 per cent,	•	•	•		78	73	65 per cent,	•	•	•	•	4	2
54 per cent,	•	•	•	•	1	-	67 per cent,	•	•	•	•	1	2
60 per cent,	•	•	•		10	18	70 per cent,	•	•	•	•	4	8
62 per cent,	•	•	•	.	-	1	75 per cent,	•	•	•	•	85	25
63 per cent,	•	•	•		-	2	76 per cent,	•	•	•	٠	2	1
64 per cent,	•	•	•	-	-	1	77 per cent,	•	•	•	•	1	-
65 per cent,				.	3	4	80 per cent,	•	•	•	•	17	14
66 per cent,				.	2	-	83 per cent,	•		•		-	2
67 per cent,					8	8	84 per cent,			•		-	1
or her ceur,													
69 per cent,		•		.	1	- 1	85 per cent,	•		•	•	5	2

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES - 1890, 1891 - Continued.

Indust	ries.	▲ND			TAB- LENTS		Indus	TRIES,	AND				CENTS
PROPORTION OF			Done.	1890	1891	Propos				B Do	NE.	1890	189
Furnit	ure —	Con.				Hosier	y and	Knit	Good	-(Con.		
90 per cent,				7	9	25 per						1	1
92 per cent,		-		1	_	30 per						1	-
100 per cent,	·			6	10	38 per						2	8
too per com,	•	•	• •	"	_~	85 per	-	•				1	1
G	Hass.		•	10	10	40 per		•	•	Ċ		1	2
25 per cent,				-	1	42 per		•	•		•	1	1
33 per cent,				2	1	_	-	•	•	•	•	10	4
45 per cent,	-			1	1	50 per		•	•	•	•	10	2
50 per cent,		Ĭ.		1	2	55 per		•	•	•	•	-	
80 per cent,	•	•		2	1	58 per		•	•	•	٠,	1	-
-	•	•		2	2	60 per		•	•	٠	•	4	2
85 per cent,	•	•	• •	1		65 per	cent,	•	•	•	•	1	1
90 per cent,	•	•	• •	_	1	67 per	cent,	•	•	•	•	-	1
95 per cent,	•	•		1	1	72 per	cent,	•	•	•		-	1
Glue, Isingle	~ee ~	m A S	Manak .	14	14	75 per	cent,					7	8
	488, U	nu L	sarcie.	14		79 per	cent,					1	-
40 per cent,	•	•		1	1	80 per	cent.				.	5	2
50 per cent,	•	•	•	8	1	84 per	-				.	_	1
65 per cent,	•	•		1	-	86 per		•	•			_	1
75 per cent,	•	•		8	2	1 -		•	•	•	- 1	_	1
77 per cent,		•		1	1	89 per	-	•	•	•	•	-	
78 per cent.				1	1	90 per	cent,	•	•	•	•	-	1
80 per cent,				_	1	99 per	cent,	•	•	•	•	-	1
83 per cent,				١ ـ	1	100 per	cent,	•	•	•	•	4	4
	•	•		2	_	l							
85 per cent,	•	•	• •	ī	1	Ink,	Muci	lage,	and I	aste		8	8
90 per cent,	•	•	• •	2	5	10 per		•			٠.	1	-
.00 per cent,	•	•		2	9	12 per	cent.				. 1	_	1
Hair Work			and			20 per						1	1
Hu	man)			10	10	40 per		-	•	•		1	1
10 per cent,	•	•		1	-		-	•	•	•	- 1	i	1
33 per cent,		•		1	1	50 per	-	•	•	•	•		1
45 per cent,				-	1	60 per		•	•	•	•	1	
50 per cent,				4	4	75 per		•	•	•	•	2	2
75 per cent,				2	2	80 per	cent,	•	•	•	•	-	1
00 per cent,	-			2	2	100 per	cent,	•	•	•	•	1	٠ ا
	•	•	•	-	_								l
Hose: Rub	ber, I	inen	, etc.	5	5	Ivory,	Bone,	She	ll, an	d E	Torn		۔۔ ا
15 per cent,				-	1			ods,	etc.			18	13
25 per cent,				1	-	50 per		•	•	•	•	1]]
27 per cent,				1	_	60 per	cent,	•	•	•	•	1	١.
50 per cent,		•	: :	i	1	62 per	cent,	•	•	•	•	-	1
	•	•		1	i	67 per	cent,					2	-
75 per cent,	•	•	• •	1	1 :	75 per	cent,					8	
95 per cent,	•	•		1	1	79 per						1	١.
.00 per cent,	•	٠		-	2	80 per						1	:
Wooden:	A 15-	u a-		40	40				•			_	;
Hostery an	A An	** (40		i i	1	85 per		•	•	•	•		;
10 per cent,	•	•	• •	-	1	90 per		•	•	•	•	2	١ ،
15 per cent,	•	•	• • •	-	1	95 per		•	•	•	•	2	1
20 per cent,	•	•		-	1	100 per	cent,	•	•	•	•	-	1

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES — 1890, 1891 — Continued.

Indust	RIES.	AND	,			PAB- LENTS	Industries, and Lishm	
PROPORTION OF				NE.	1890	1891	PROPORTION OF BUSINESS DONE. 1890	189
Le	ather				154	154	Liquors and Beverages (Not Spirituous) — Con.	
10 per cent,	•		٠.	•	-	3	60 per cent, 1	1
15 per cent,		•	•	•	-	1	70 per cent,	1
18 per cent,	•	•	•	•	-	2	75 per cent,	5
20 per cent,				•	1	6	100 per cent, 2	1
25 per cent,				•	4	6	Liquors: Malt, Distilled, and	
30 per cent,				•	-	8	Fermented. 49	49
33 per cent,				•	4	-	10 per cent, 1	-
35 per cent,					-	8	13 per cent, 2	-
37 per cent,			••	•	1	-	15 per cent,	2
88 per cent,					1	-	20 per cent, 1	-
40 per cent,		• •		• •	1	5	25 per cent, 6	7
45 per cent,				• •	1	8	27 per cent, 1	-
46 per cent,						1	30 per cent, 2	_
50 per cent,				•	27	21	32 per cent,	1
55 per cent,	•		-	•		1	83 per cent, 1	_
56 per cent,	•	:	·	•	1		85 per cent, 1	_
57 per cent,	•		•		l	_	50 per cent, 9	11
	•	•	•	••	1	1	55 per cent,	
58 per cent,	•	•	•	•	-	8	57 per cent,	_
60 per cent,	•	٠	•	• •	6	·	1	3
62 per cent,	•	•	•	••	1	-	1 - 1	
63 per cent,	•	•	•	• *	1	-	61 per cent,	1
64 per cent,	•	•	•	• •	1	-	65 per cent, 1	-
65 per cent,	•	•	٠	••	4	8	67 per cent, 1	1
66 per cent,	•	•	•	••	1	2	70 per cent, 2	1
67 per cent,	•	•	•	• •	4	8	71 per cent,	1
70 per cen t,	•	•	•	••	10	5	73 per cent, 1	1
72 per cent,			•		1	-	74 per cent, 1	1
74 per cent,			•	••	1	-	75 per cent, 8	7
75 per cent,				•-	28	26	80 per cent, 2	2
78 per cent,					-	8	84 per cent,	1
80 per cent,					11	7	89 per cent,	1
83 per cent,					1	-	90 per cent,	2
84 per cent,					-	1	95 per cent, 1	1
85 per cent,				••	7	5	100 per cent, 2	5
88 per cent,				••	_	1	Lumber. 25	25
90 per cent,				•	11	8	05	1
92 per cent,					1	_	-	
95 per cent,		·	:	•	8	4		1
96 per cent,	•	•		••	<u> </u>	i	• · ·	
00 per cent,	Ċ	•	•		20	16	50 per cent, 5	2
bor cents	•	•.	•	••	**	"	55 per cent,	1
Liquors and	Beve	erage	s (2V	ot .			67 per cent, 1	_
Spir	ituor	ι ક).	٠.	•	12	12	75 per cent, 8	7
10 per cent,	•	•	•	•	1	-	76 per cent, 1	-
25 per cent,	•	•	•	•	1	-	77 per cent,	1
85 per cent,	•	•	•	•^	-	1	80 per cent, 4	4
50 per cent,			•		2	8	85 per cent, 2	2

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES - 1890, 1891 - Continued.

Industria	18, AN	nD			AB- LENTS	Industr	RIES,	AND			Est Lish)	AB- LENTS
Proportion of B			NE.	1890	1891	PROPORTION OF	Bus	ines	s Do	SE.	1890	1891
Lumber -	– Cor).				Machines and	Mach	ine	~y—C	on.		
88 per cent, .	•			1	1	91 per cent,			٠.		1	-
90 per cent, .				2	-	92 per cent,		•	٠.		-	1
98 per cent, .				1	-	98 per cent,	•		•		1	-
100 per cent, .				8	5	95 per cent,					4	6
-						98 per cent,			•		- '	2
Machines and	Mac/	rinery	/ •	263	268	99 per cent,			•		1	1
10 per cent, .	•	•	•	-	8	100 per cent,			•		89	85
13 per cent, .	•	•	•	1					~ .		277	277
15 per cent, .	•	•	•	1	8	Metale and	Metal	lic (Hoods		277	
20 per cent, .	•	•	•	4	1	7 per cent,	•	•	•	•	2	1
25 per cent, .	•	•	•	8	15	10 per cent,	•	•	•	•	2	1
30 per cent, .	•	•	•	2	8	16 per cent,	•	•	•	•	8	3
31 per cent, .	•	•	٠	1	-	20 per cent,	•	•	•	•		-
83 per cent, .	•	•	•	7	9	28 per cent,	•	•	•	•	1	•
34 per cent, .	•	•	•	1	-	24 per cent,	•	•	•	•	_	7
35 per cent, .	•	•	•	-	1	25 per cent,	•	•	•	•	8	1
87 per cent, .	•	•	٠	-	1	29 per cent,	•	•	•	•	-	1
39 per cent, .	•	•	•	1	-	80 per cent,	•	•	•	•	8	-
40 per cent, .	•	•	•	4	5	82 per cent,	•	•	•	•	2	-
45 per cent, .	•	•	•	2	8	83 per cent,	•	•	•	٠	7	4
46 per cent, .	•	•	•	-	1	84 per cent,	•	•	•	•	-	1
48 per cent, .	•	•	•	1	1	85 per cent,	•	•	•	•	-	2
50 per cent, .		•	•	47	87	38 per cent,	•	•	•	•	-	1
53 per cent,	•	•	•	1	2	39 per cent,	•	•	•	•	1	-
54 per cent, .	•	• '	•	1	1	40 per cent,	•	•	•	٠	-	9
55 per cent, .	•	•	•	-	1	45 per cent,	•	•	•	٠	8	2
58 per cent, .	•	•	•	1	-	48 per cent,	•	•	•	•	1	-
60 per cent, .	•	•	•	18	18	50 per cent,	•	•	•	•	52	86
62 per cent, .	•	•	•	-	1	55 per cent,	•	٠	•	٠	1	-
63 per cent, .	•	•	•	1	2	56 per cent,	•	•	•	•	-	2
65 per cent, .	•	•	•	1	5	60 per cent,	•	•	•	•	14	21
66 per cent, .	•	•	•	1	-	62 per cent,	•	•	•	•	1	-
67 per cent, .	•	•	•	6	7	63 per cent,	•	•	•	•	-	1
69 per cent, .	•	•	•	-	1	65 per cent,	•	•	•	•	5	5
70 per cent, .	•	•	•	4	9	66 per cent,	•	•	•	٠	1	1
71 per cent, .	•	•	•	1	1	67 per cent,	•	•	•	•	4	5
72 per cent, .	•	•	٠	2	-	70 per cent,	•	•	•	•	12	12
74 per cent, .	•	•	•	-	2	72 per cent,	•	•	•	٠	1	1
75 per cent, .	•	•	•	64	45	78 per cent,	•	•	•	•	1	-
76 per cent, .	•	•	•	1	-	75 per cent,	•	•	•	•	49	49
78 per cent, .	•	•	٠	2	-	76 per cent,	•	•.	•	•	-	1
79 per cent, .	•	•	•	1	-	77 per cent,	•	•	•	٠	-	1
80 per cent, .	•	•	٠	15	19	78 per cent,	•	•	•	٠	8	1
83 per cent, .	•	•	٠	-	1	80 per cent,	•	•	•	•	24	29
85 per cent, .	•	•	•	4	5	81 per cent,	•	•	•	•	1	1
87 per cent, .	•	•	•	1	-	82 per cent,	•	•	•	٠	1	1
90 per cent, .				17	20	83 per cent,					1	-

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES - 1890, 1891 - Continued.

Indust	RIES	, AND			Est Lishi	TAB- EKNTS	INDUSTR	IES, AND			AB- (ENTS
PROPORTION OF			Do	T R	1800	1891	PROPORTION OF		DONE.	1890	1891
Metals and Me	alli	c Good	da-C	on.			Musical Ins Materia	truments ls — Con.	and		
85 per cent,		•		•	12	14	60 per cent,			4	5
86 per cent,					-	2	65 per cent,	: :		-	1
87 per cent,		•			· 1	2	67 per cent,	: :		1	•
90 per cent,	•	·			16	20	70 per cent,			1	1
92 per cent,	•				2	1 .	73 per cent,			_	i
93 per cent,	•	•	•		_	1	75 per cent,	•		8	11
94 per cent,	•	•	•	•	•	2	80 per cent,	• •	• •	. 0	4
95 per cent,	•	•	•	•	10	4	82 per cent,	• •		1	•
-	•	•	•	•	1	1					-
97 per cent,	•	•	•	•	_	1	83 per cent,	• •	• •	_	1
98 per cent,	•	•	•	•	1	1	85 per cent,		• •	2	8
99 per cent,	•	•	•	•	1	1	87 per cent,	• •	• •	1	-
100 per cent,	•	• .	•	•	80	29	88 per cent,			1	-
Mixed	Tan	Hlan			13	13	90 per cent,	• •	• •	1	2
					1	10	92 per cent,			-	1
48 per cent,	•	•	•	•	_	1	93 per cent,		• •	1	-
54 per cent,	•	•	•	•		_	95 per cent,			4	1
59 per cent,	•	•	•	•	1	-	100 per cent,			8	6
60 per cent,	•	•	•	•	1	-	Oils and Illum	inatina k	Third o.	9	9
62 per cent,	٠	•	•	•	1	-	25 per cent,			_	1
70 per cent,	•	•	•	•	1	-		• •	• •	_	
72 per cent,	•	•	•	•	-	1	40 per cent,		• •	1	1
75 per cent,	•	•	•	•	-	1	50 per cent,				-
80 per cent,	•	•	•	•	-	2	55 per cent,	• •	• •	-	1
81 per cent,			•		1	-	60 per cent,	• •	• •	-	1
87 per cent,					-	1	63 per cent,	• •	• •	-	1
90 per cent,					-	1	65 per cent,			1	-
92 per cent,					1	1	66 per cent,	• •		-	1
95 per cent,					1	-	70 per cent,			1	-
100 per cent,					5	5	75 per cent,			6	2
,			•	-	1		100 per cent,			-	1
Models as	id F	attern	18.		5	5	Paints, Color	rs. and C	rude		
50 per cent,		•			2	1	Chem	icals.		16	16
60 per cent,		•			-	1	10 per cent,			-	1
80 per cent,					1	1	15 per cent,			-	1
85 per cent,					1	-	20 per cent,			2	_
88 per cent,					-	1	50 per cent,			4	2
100 per cent,					1	1	55 per cent,			-	1
- :	. 4	4.			_	1	60 per cent,			2	8
Musical Inc Mat			ana	•	46	46	67 per cent,			1	1
25 per cent,			_		1	-	70 per cent,			1	1
33 per cent,	:	•	:	:	:	8	75 per cent,			2	3
35 per cent,	•	•	:		l	1	80 per cent,	• •		1	1
40 per cent,	•	•		•	1	2	-	• •	• , •	1	-
•	•	•	•	•	_	*	85 per cent,	• •	• •	1	_
45 per cent,	•	•	•	•	1	ı	87 per cent,				_
50 per cent,	•	•	•	•	7	2	88 per cent,	• •	• •	1	-
52 per cent,	•	•	•	•	. 1	١ :	90 per cent,		• •	-	1
55 per cent,	•	•	•	•	-	1	95 per cent,		• •	-	1

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. PERCENTAGES - 1890, 1891 - Continued.

Indust	RIES.	▲ND				TAB- MENTS	INDUSTRIES, AND		Est Lishi	AB- LENTS
Proportion of			B Do	ne.	1890	1891	PROPORTION OF BUSINESS DO	NE.	1890	1891
Paper and	Pape	r G	oods		102	102	Polishes and Dressing.		18	18
10 per cent,					-	1	23 per cent,	.	1	-
13 per cent,					1	-	25 per cent, . '	.]	-	1
25 per cent,					1	1	30 per cent,	.	-	1
83 per cent,					1	-	33 per cent,	.	1	-
40 per cent,					1	_	50 per cent,	.	8	4
50 per cent,					. 9	7	60 per cent,	. 1	2	1
57 per cent,	:	-			_	1	65 per cent,		-	2
60 per cent,	•	•	:		2	2	70 per cent,		2	1
	•	•	•		ī	ī	#F		2	_
65 per cent,	•	•	•	•	î	2		٠,	_	1
67 per cent,	•	•	•	•	5	3	80 per cent,	. 1	1	i
70 per cent,	•	•	•	•			85 per cent,	•	2	î
71 per cent,	•	•	•	•		1	90 per cent,	٠,	-	1
75 per cent,	•	•	•	•	11	11	95 per cent,	.	-	_
76 per cent,	•	•	•	٠	-	1	96 per cent,	.	-	1
80 per cent,	•	•	•	•	5	5	100 per cent,	•	4	8
81 per cent,	•	•	٠	٠	1	1	Dulating Dublishing and	,		
83 per cent,	•	•	•	•	1	1	Printing, Publishing, and Bookbinding.	•	24	24
85 per cent,	•	•	•		4	7	84 per cent,	.	_	1
90 per cent,	•				2	10	40 per cent,		2	-
91 per cent,					-	1	45 per cent,		-	2
92 per cent,					3	1	40		1	_
93 per cent,					1	_	•	٠,	2	4
94 per cent,					2	1	50 per cent,	٠,	1	2
95 per cent,					8	3	60 per cent,		2	_
96 per cent,			-		1	4	65 per cent,		4	1
97 per cent,			•	Ī	5	2	67 per cent,	•	-	2
98 per cent,	:	•	•		-	5	70 per cent,	•	1	_
•	•	•	•	•	2	1	75 per cent,	•	4	2
99 per cent,	•	•	•	•	34	29	80 per cent,	•	2	8
100 per cent,	•	•	•	٠	02	20	85 per cent,	. •	1	1
						١.	87 per cent,		1	-
Perfumes, To	ilet A	rtic	les, e	tc.	4	4	90 per cent,		4	8
75 per cent,	•	•	•	•	2	-	91 per cent,		-	1
80 per cent,	•	•	•	•	-	1	98 per cent,		1	-
85 per cent,	•	•	•	•	-	1	100 per cent,	.	2	2
90 per cent,	• •	•	•	•	-	1				ł
95 per cent,	•	• ·	•	•	1	-	Print Works, Dye Works, a Bleacheries.	nd	37	37
100 per cent,	•	•	•	•	1	1		- 1	01	1
							15 per cent,	•	-	1
Photographs a	nd Pl	otog	rap	hic	1		20 per cent,	•	1	
Ma	erial				11	11	25 per cent,		1	8
40 per cent,	• .	•	•	•	-	1	50 per cent,		7	7
50 per cent,	•	•	•	•	1	2	60 per cent,	•	8	2
60 per cent,	•		•	•	-	1	63 per cent,		1	-
75 per cent,	•		•		4	2	65 per cent,		-	2
85 per cent,					-	1	67 per cent,	•	-	1
00					2	2	70 per cent,	.	2	2
90 per cent,										

PROPORTION OF BUSINESS DONE: BY INDUSTRIES — Continued.

PERCENTAGES — 1890, 1891 — Continued.

Indust	RIES.	AND			TAB- KENTS	Industr	RIES, AND			AB- Lents
PROPORTION O			Donn.	1890	1891	Proportion of	BUSINESS	Done.	1890	1891
Print Works, Bleache	Dye	Work	e, and			Shipbuil	ding — Co	n.		
80 per cent,				2	1	25 per cent,	• •		2	8
82 per cent,				_	2	30 per cent,			-	1
90 per cent,				2	4	83 per cent,			1	1
95 per cent,				-	1	34 per cent,			1	-
100 per cent,	•			10	6	37 per cent,			-	1
-				Į.		38 per cent,			-	1
Railroad Co	mstru ipmei		and	14	14	40 per cent,			2	1
-	-			1		50 per cent,			17	12
33 per cent,	•	•		_	1	55 per cent,			1	-
47 per cent, 50 per cent,	•	•	• •	1	ı	58 per cent,			-	1
•	•	•		i	1 -	60 per cent,			-	4
65 per cent,	•	•		:	1	65 per cent,			1	1
75 per cent,	•	•		f .	2	67 per cent,			3	1
80 per cent,	•	•		1	1 -	71 per cent,			-	1
90 per cent,	•	•		1	1	75 per cent,			8	7
100 per cent,	•	•	• •	9	8	79 per cent,			-	1
Rubber and	Elas	tic G	loods.	80	30	80 per cent,			۱ ـ	1
15 per cent,				-	1	90 per cent,		: :	_	1
25 per cent,				-	3	100 per cent,	• ;		1	i
30 per cent,				-	1	100 per cent,	• •	• •	1	1
33 per cent,				2	-	Silk and	Silk Good	le.	9	9
35 per cent,				_	1	15 per cent,			1	1
45 per cent,				_	1	67 per cent,			-	1
50 per cent,	-			7	4	68 per cent,			1	_
60 per cent,		Ĭ		1	l -	78 per cent,			1	1
67 per cent,		·		1	_	80 per cent,			1	1
75 per cent,	•	•	: :	4	4	85 per cent,			1	_
80 per cent,	•	•		1	i	90 per cent,			ī	1
-	. •	•		i	-	95 per cent,			2	1
85 per cent,	•	•		4	8	100 per cent,	•	•	1	8
•	•	•	• •	5	5	100 per cent,	• •	•	1	١
90 per cent,	•	•	• •	"	1		. 442 70460	Coods	9	9
93 per cent,	•	•	•	_	8	Sporting and		uroowe.	-	ľ
95 per cent,	•	.•	• •	-	2	10 per cent,			1	1 -
100 per cent,	•	•	•	1 4	*	20 per cent,	• •			1
Scientific I			and		1	33 per cent,	• •		1	1
	lianc	68.		11	11	42 per cent,	• •		_	2
25 per cent,	•	•		1	1	50 per cent,	•		2	2
50 per cent,	•	•		2	8	66 per cent,	• •	• •	1	-
60 per cent,	٠	•		1	1	70 per cent,	• •		1	-
75 per cent,	•	·•	• '•	4	1	75 per cent,	• •		2	2
80 per cent,	٠	•		-	2	90 per cent,		• •	-	1
100 per cent,	•	•	• •	3	8	100 per cent,		• •	1	1
Ship	bu i ldi	ing.		42	42	8	tone.		111	111
10 per cent,				2	1	10 per cent,			1	1
15 per cent,				2	1	15 per cent,			1	1
20 per cent,			٠	1	1	20 per cent,			2	8

PROPORTION OF BUSINESS DONE: BY INDUSTRIES — Continued.

PERCENTAGES — 1890, 1891 — Continued.

Indust	RIES	. AND				TAB- LENTS	Industries, and		AB- ENTS
PROPORTION OF			Do	NE.	1890	1891	PROPORTION OF BUSINESS DONE.	1890	1891
							Tallow, Candles, Soap, and	55	55
Stone	(Con.					Grease.		00
25 per cent,	•	•	•	•	10	9	10 per cent,	1	1
30 per cent,	•	•	•	•	1	2	12 per cent,	-	
31 per cent,	•	•	•	•	1	-	20 per cent,	-	1
33 per cent,	•	•	•	•	5	2	25 per cent,	2	8
34 per cent,		•	•	•	-	1	33 per cent,	-	1
85 per cent,		•	•	•	2	1	38 per cent,	1	-
40 per cent,		•	•	•	2	-	50 per cent,	10	14
45 per cent,	٠.				-	1	51 per cent,	1	-
50 per cent,					24	20	60 per cent,	2	4
52 per cent,					-	1	62 per cent,	-	2
54 per cent,					1	-	67 per cent,	1	-
55 per cent,					-	1	70 per cent,	5	6
57 per cent,					'n	_	75 per cent,	13	9
60 per cent,					2	8	80 per cent,	6	3
61 per cent,	·				_	1	85 per cent,	2	5
•	٠	•	:		2		90 per cent,	8	2
62 per cent,	٠	•		•	ī	-	95 per cent,	1	1
63 per cent,	•	•	•	•	ł	1	200	7	8
64 per cent,	•	•	•	•	-	1			
65 per cent,	•	•	•	•	1	1	Tobacco, Snuff, and Cigars.	85	35
66 per cent,	•	٠	•	٠	1	1	16 per cent,	-	1
67 per cent,	٠	. •	•	•	1	4	20 per cent,	2	-
70 per cent,	٠	•	•	•	2	5	25 per cent,	1	1
72 per cent,		•	•	•	2	.2	30 per cent,	1	-
75 per cent,	•	•		•	19	14	33 per cent,	-	1
80 per cent,		•			11	12	35 per cent,	1	-
84 per cent,					1	-	41 per cent,	1	-
85 per cent,		•			3	7	45 per cent,	1	_
88 per cent,					1	-	50 per cent,	4	6
90 per cent,					4	2	52 per cent,	1	_
95 per cent,					1	1	FF		1
99 per cent,		_			_	1	1	1	4
100 per cent,					8	8	60 per cent,	1 -	1
too ber cent	•	•	•	•	ľ	Ů	62 per cent,		1
Straw and Po	. ?	Tand	000	7.	17	17	65 per cent,	8	-
	, 7/ 6	Leaj			1		66 per cent,	1	-
42 per cent,	•	•	•	•	1	7	67 per cent,	1	2
50 per cent,	•	•	•	•	4	4	70 per cent,	8	-
60 per cent,	•	•	•	•	2	-	75 per cent,	5	4
65 per cent,	•	•	•	•	-	2	80 per cent,	2	4
67 per cent,	•	•	•	•	1	-	85 per cent,] 1	1
70 per cent,	•	•	•	•	2	1	90 per cent,	2	2
75 per cent,	•	•	•	٠	8	4	95 per cent,	1	-
80 per cent,	•	•	•	•	1	1	100 per cent,	8	7
83 per cent,	•	•	•	•	-	1	_	1	1
85 per cent,		•		•	-	1	Toys and Games (Children's).		8
90 per cent,		•	•		2	2	50 per cent,	1	1
					1	1	55 per cent,	1	_

PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued.

PERCENTAGES—1890, 1891—Continued.

Indust	rries	, AND)	L		ab- Ents		Indust	ries,	AND				AB- LENTS
Proportion of				^{B.} 18	90	1891	Рворо	PRTION O	P Bus	INĖS	B Do	NE.	1890	1891
Toys and Ga			dren')				Wooden	Good	s (Jon.		Ì	
62 per cent,	- Con				_	1	65 pe	er cent,				:	8	4
65 per cent.	·				1	_		er cent,		-			-	1
70 per cent,	•	•	•		_	1		er cent,		•			7	2
75 per cent,	•	•	•		8	_		er cent,	•	·	•	·	i	_
80 per cent,	•	•	:		_	2		er cent,	·	•	Ċ	·	8	11
85 per cent,	•	•	•		1	1	i -	er cent,	·	•	·	·	-	1
87 per cent,	•	•	:		1	_		er cent,	·	•	Ċ	•	1	_
90 per cent,	•	•	:] .	-	1	-	er cent,	•	•	Ċ		37	24
100 per cent,	•	•	•	- 1	_	1		er cent,	•	•		•	10	8
100 per cent,	•	•	•	.	-	•	-	er cent,	•	•	•	•	4	4
Trunks o		Valle.		-	7	7	_	•	•	•	•	•	8	6
							_	er cent,	•	•	•	•		0
50 per cent,	•	•	•	•	1 2	3		er cent,	•	•	•	•	2	-
75 per cent,	•	•	•	•	-		Too be	er cent,	•	•	•	•	17	15
80 per cent,	•	•	•	•	3	2		Wooll	en G	ods.			138	138
85 per cent,	•	•	•	•	1	1	10 pe	er cent,					1	-
100 per cent,	•	•	•		-	1		er cent,					_	1
			~					er cent,			•		1	_
Whips, Last	res, c	ind S	stocks	.]	15	15		or cent,			·	•	ī	1
50 per cent,	•	•	•	•	4	2	-	er cent,	•	·			2	2
60 per cent,	•	•	•	•	1	-	_	er cent,	•	•	·	Ċ	ī	_
65 per cent,	٠	•	•	•	1	2		er cent,	·	•		Ċ	-	8
67 per cent,	•	•	•	•	1	1		er cent,	•	•	•	•	11	6
70 per cent,	•	•	•	•	1	-		er cent,	•	•		•	-	1
75 per cent,	•	•	•	•	2	5	-	er cent,	•	•	•	•	1	-
80 per cent,	•	•	•	•	1	-			•	•	•	•	1	4
90 per cent,	•	•	•	•	2	1		er cent,	•	•	•	•	7	*
100 per cent,	•	•	•	•	2	4	11	er cent,	•	•	•	•	1	-
777 3	^			١.,		140	_	er cent,	•	•	•	•	2	-
Wood	en G	ooas.	•	14		149		er cent,	•	•	•	•	-	1
5 per cent,	•	•	•	•	1	-		er cent,	•	•	•	•	8	3
8 per cent,	•	•	•	•	-	1		er cent,	•	•	•	•	2	5
10 per cent,	•	•	•	.	2	2		er cent,	•	•	•	•		1
20 per cent,	•	•	•	•	4	4	11	er cent,	•	•	•	•	12	14
25 per cent,	•	•	•	•	7	11		er cent,	•	•	•	•	7	8
80 per cent,	•	•	•	•	-	1		er cent,	•	•	•	•	1	-
83 per cent,	•	•	•	•	4	7		er cent,	•	•	•	•	-	1
85 per cent,	•	•	•	•	2	-		er cent,	•	•	•	•	4	7
87 per cent,	•	•	•	•	-	1	11	er cent,	• .	•	٠	•	2	-
40 per cent,	•	•	•	•	8	2	LI.	er cent,	•	•	•	•	-	2
42 per cent,	•	•	•	\cdot	1	-	-	er cent,	•	•	٠	•	1	1
45 per cent,	•	•	•	\cdot	2	-		er cent,	*	•	•	•	16	6
50 per cent,	•	. •	•	. 4	29	85	11	er cent,	•	•	•	٠	4	8
51 per cent,	•	• ·	•	\cdot	1	-	11	er cent,	•	•	•	•	-	1
55 per cent,	•	•	•	\cdot	1	-	94 pe	er cent,	•	•	•	•	2	2
60 per cent,	•	•	•	\cdot	8	8	95 pe	er cent,	•	•	•	•	3	8
62 per cent,	•	•	•		1	-	-	er cent,	•	•	•		2	1
63 per cent,					-	1	97 pe	er cent,					-	8

PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued. PERCENTAGES—1890, 1891—Continued.

Indus	rries.	AND				TAB- WENTS	Indust	RIES.	AND				TAB- MENTS
Proportion o			•	NE.	1890	1891	Proportion of			s Do	nb.	1890	1891
Woollen	Good	s — C	on.				Worsted 6	7ood	8 — C	on.			
98 per cent,					2	-	75 per cent,					-	1
100 per cent,					49	53	80 per cent,					1	1
Worst	ed G	oods.			21	21	85 per cent,	•	•		•	1	-
33 per cent,					-	1	87 per cent,	•	•	•	٠	2	-
60 per cent,					1	_	90 per cent,			•	•	1	2
65 per cent,					_	2	91 per cent,			•	•	-	1
67 per cent,					2		95 per cent,					2	1
70 per cent,					2	1	100 per cent,	•	•	•	•	9	11

ALL INDUSTRIES.

Proportion of			Domen	LISH	TAB- MENTS	PROPORTION OF	D		. Do			TAB- MENTS
PROPORTION OF	- 15	USINESS	DORE.	1890	1891	PROPORTION OF	BU	SINES	ь ро	NE.	1890	1891
5 per cent,				2	_	41 per cent,					3	-
6 per cent,				-	1	42 per cent,					5	1
7 per cent,				-	1	43 per cent,					-	2
8 per cent,				-	2	44 per cent,					-	1
10 per cent,		,		28	29	45 per cent,					18	24
12 per cent,				4	6	46 per cent,					-	2
13 per cent,				6	1	47 per cent,					1	2
15 per cent,				12	17	48 per cent,					4	1
16 per cent,				1	4	49 per cent,					2	1
17 per cent,				2	2	50 per cent,					654	577
18 per cent,				1	3	51 per cent,					2	-
19 per cent,				1	1	52 per cent,					2	2
20 per cent,				88	45	53 per cent,					2	2
22 per cent,				1		54 per cent,					8	8
23 per cent,				8	1	55 per cent,					12	17
24 per cent,				1	1	56 per cent,					2	8
25 per cent,				132	145	57 per cent,					4	5
27 per cent,				2	_	58 per cent,					4	5
28 per cent,				1	1	59 per cent,					8	2
29 per cent,				-	1	60 per cent,					150	204
80 per cent,				19	29	61 per cent,					-	2
31 per cent,				2	_	62 per cent,	•				13	19
82 per cent,				2	1	63 per cent,					10	13
33 per cent,				80	84	64 per cent,					2	5
34 per cent,				2	3	65 per cent,					62	75
35 per cent.				12	18	66 per cent,			•		18	14
37 per cent.				2	5	67 per cent,	·	•			92	90
38 per cent.				4	8	68 per cent,	Ċ				3	7
89 per cent,				8	_	69 per cent,					1	3
40 per cent,				36	63	70 per cent,					120	160

PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued. • PERCENTAGES—1890, 1891—Continued.

ALL INDUSTRIES - Concluded.

Proportion o	n D		- D-		LISH	TAB- CENTS	P						AB- CENTS
PROPORTION U	r bu	SIRES	5 DO	NE.	1590	1891	Proportion of	BU	BINE S	Do	ŅE.	1890	1891
71 per cent,					3	4	87 per cent,					16	4
72 per cent,					11	9	88 per cent,					8	11
73 per cent,					8	2	89 per cent,					3	e
74 per cent,					4	6	90 per cent,					218	240
75 per cent,					707	625	91 per cent,					4	8
76 per cent,					7	4	92 per cent,					17	14
77 per cent,					8	7	93 per cent,					6	. 6
78 per cent,					8	10	94 per cent,					12	
79 per cent,					4	1	95 per cent,					81	78
80 per cent,					261	265	96 per cent,					14	18
81 per cent,					4	2	97 per cent,					15	12
82 per cent,					7	7	98 per cent,					14	19
83 per cent,					9	15	99 per cent,					9	10
84 per cent,					4	5	100 per cent,					574	522
85 per cent,					127	121	1						
86 per cent,					8	4	TOTALS,					8,745	3,748

PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued. PERCENTAGES—1890, 1891—Continued.

RECAPITULATION. PERCENTAGES - 1890, 1891.

Industries.	18	100	·	
		890	18	91
	Estab- lishments	Per- centages	Estab- lishments	Per- centages
Agricultural implements,	. 11	60.36	11	56.73
Arms and ammunition,	. 12	63.33	12	68.17
Artisans' tools,	. 56	68.73	56	66.43
Awnings, sails, tents, etc.,	. 80	50.37	80	48.67
Boots and shoes,	. 567	70.21	567	66.06
Boxes (paper and wooden),	. 141	69.39	141	67.22
Brick, tiles, and sewer pipe,	. 45	77.09	45	81.98
Brooms, brushes, and mops,	. 21	61.57	21	64.43
Surial cases, caskets, coffins, etc.,	. 6	78.33	6	85.00
Buttons and dress trimmings,	. 17	61.65	17	64.29
Carpetings,	. 12	78.25	12	80.83
	. 96	70.06	96	67.50
Cement, kaolin, lime, and plaster,	. 4	76.50	4	78.50
Chemical preparations (compounded), .	. 9	60.00	9	63.00
Clocks, watches, and jewelry,	. 77	66.30	77	63.90
Nadda -	. 113	75.51	113	72.88
Jackson Makalon and basalon amendera	. 31	70.16	31	72.55
Cordage and twine,	. 25	73.20	25	75.96
Yanka kuman and kana	. 4	67.50	4	65.00
Cotton goods,	. 157	91.23	157	91.97
Cotton, woollen, and other textiles,	. 3	67.33	8	61.67
Y	. 4	73.75	4	71.50
Drugs and medicines,	. 19	57.37	19	60.26
	. 7	69.00	7	63.00
Carthen, plaster, and stone ware,	1 .	88.75	4	87.50
Plantulani ammonatura and ammilianasa		77.00	5	71.40
211-41	. 10	55.50	10	57.70
Emery and sand paper and cloth, etc.,	. 13	72.69	13	78.08
		77.33	6	74.67
fancy articles,	. 7	65.71	7	65.00
		100.00	2	
N		71.67	3	85.00
Flax, hemp, jute, and linen goods,	. 8	85.13	8	70.00
			11 - 1	84.00
Z	. 264	62.00 68.02	264	62.43
•			120	66.33
·	. 10	67.60 75.36	10	63.80
		1	14	82.00
Hair work (animal and human),	10	59.30	10	62.80
	. 5	54.40	5	68.00
• • • •	. 40	62.63	40	63.15
	. 8	53.75	8	51.50
vory, bone, shell, and horn goods, etc., .	13	76.77	13	78.62
Leather,	. 154	70.71	154	64.42
Liquors and beverages (not spirituous), .	. 12	64.17	12	65.83
Liquors: malt, distilled, and fermented, . Lumber,	. 49	53.82 73.88	49 25	61.55 76.00

PROPORTION OF BUSINESS DONE: BY INDUSTRIES — Continued.

PERCENTAGES — 1890, 1891 — Concluded.

RECAPITULATION. PERCENTAGES - 1890, 1891 - Concluded.

	AVERAG	E PROPORTIO	n of Busine	ss Done
Industries.	18	390	18	91
	Estab- lishments	Per- centages	Estab- lishments	l'er- centages
Machines and machinery,	. 263	69.27	263	67.54
Metals and metallic goods,	. 277	69.26	277	70.60
Mixed textiles,	. 13	82.08	13	86.92
Models and patterns	. 5	73.00	5	75.60
Musical instruments and materials,	. 46	74.76	46	72.33
Oils and illuminating fluids	. 9	70.56	9	62.11
Paints, colors, and crude chemicals,	. 16	61.69	16	61.69
Paper and paper goods	. 102	84.00	102	84.62
Perfumes, toilet articles, etc.,	. 4	86.25	4	88.75
Photographs and photographic materials,	. 11	84.55	11	74.09
Polishes and dressing.	. 18	71.17	18	70.06
Printing, publishing, and bookbinding, .	. 24	74.13	24	70.29
Print works, dye works, and bleacheries,	. 37	73.46	37	69.49
Railroad construction and equipment, .	. 14	87.00	14	87.29
Rubber and elastic goods,	. 30	73.20	30	68.77
Scientific instruments and appliances, .	. 11	71.36	11	70.00
Shipbuilding,	. 42	50.90	42	54.12
Silk and silk goods,	. 9	78.44	9	80.56
Sporting and athletic goods,	. 9	59.89	9	58.33
Stone	. 111	61.06	111	62.47
Straw and palm leaf goods,	. 17	67.88	17	72.24
Tailow, candles, soap, and grease,	. 55	70.47	55	64.35
Makana and dama	. 35	64.60	35	70.00
Toys and games (children's),	. '8	70.88	8	77.13
Trunks and valises,	. 7	75.00	7	81.43
Whips, lashes, and stocks,	. 15	71.47	15	77.47
Wooden goods,	. 149	64.58	149	61.58
Woollen goods,	. 138	82.61	138	84.88
Worsted goods,	. 21	88.24	21	88.29
ALL INDUSTRIES,	3,745	70.27	3,745	69.27

PROPORTION OF BUSINESS DONE: BY INDUSTRIES.

[In this presentation, the number of days each establishment considered was in operation is shown, together with the aggregate average number of persons employed in such establishments during the specified number of days for the years 1890 and 1891.]

DAYS IN OPERATION—1890, 1891. AGRICULTURAL IMPLEMENTS.

		18	90	18	91			. 10	90	18	391
DATS II OPERATIO	-	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	r.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
150 days,	•	1	1	1	1	277 days,		1	180	-	_
208 days,		-	-	1	3	300 days,		1	70	2	335
229 days,		1	20	1	24	308 days,	٠	1	307	· -	-
240 days,		1	1	1	1	804 days,		1	5	-	_
250 days,		-	- [1	59	306 days,		1	4	1	4
255 days,		1	1	-	-	807 days,	:	-	- i	1	84
260 days,		-	-	1	1	308 days,		1	83	-	-
267 days,		-	-	1	165						
275 days,		1	19	-	_	TOTALS.		11	691	11	677

ARMS AND AMMUNITION.

275 days,		1	29	-	_	304 days,		_	-	1	204
280 days,		-	-	1	32	366 days,		8	179	8	192
290 days,		-	-	1	425	808 days,		1	26	-	-
291 days,		-	-	1	32	309 days,		-	-	1	56
299 days,		1	483	i -	-	312 days,	•	1	53	-	-
300 days,		5	1,082	8	661						
302 days,	٠	-	-	1	494	TOTALS,	•	12	1,852	12	2,096

ARTISANS' TOOLS.

	ĺ .		11	1	H		l	1 1	1	
78 days,	-	-	1	1	250 days,		1	229	1	1
113 days,	-	-	1	5	256 days,		-	-	1	8
150 days,	-	-	1	5	260 days,		-	-	2	5
215 days,	-	_	1	1	265 days,		-	-	1	2
226 days,	1	1	-	_	268 days,	•	-	-	1	4
240 days,	2	5	-	_	270 days,		1	14	-	-
246 days,	1	23	-	-	274 days,		l -	-	1	2
	 <u> </u>		<u> </u>	<u> </u>					1	<u> </u>

ARTISANS' TOOLS - Concluded.

			18	90	18	391			18	390	18	891
DA*	YS II		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DATS IN OPERATION		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
275 da			2	95	2	114	304 days,		2	370	2	94
280 da		٠	1	4	2	21	305 days,	٠	1	6	8	55
290 da		٠	-	1	1	217	806 days,	٠	20	412	17	382
292 day		•	1	3		-	307 days,	٠	1	11 107	1	20
294 da: 296 da:		•	1	- 07	1	98	309 days,	•	2	49	1	11
298 da		•	•	87	1	200	310 days, 312 days,	•	1	16	-	
300 da		•	12	69	12	113	313 days,	•	1	5		-
301 da	•	•	14		1	59	olo days,	•				
302 da			3	205	1	35	TOTALS,		56	1,676	56	1,685
303 da			1	15	1	272	101225,	•	"	1,0.0	"	2,000
				AWI	l	i i	LS, TENT	8,	ī		I	1
18 day	ys,		- 1	-	1	1	260 days,		1	1	1	2
60 day	ys,		1	1	-	-	276 days,		1,	3	-	-
108 da;			-		1	1	290 days,		1	10	-	-
125 day			-	-	1	1	300 days,	•	2	5	8	9
140 day		•	-	-	1	1	301 days,	•	-	-	1	5
150 day			1	1	1	2	304 days,	٠	1	5	-	-
180 da			2	5	1	8	306 days,	•	15	85	15	108
200 day		•	2	9	8	12	307 days,	•	1	27	-	-
228 day		•	1	1		_				1::	30	149
240 day 250 day			1	- 2	1 -	4	Totals,	•	30	155	30	149
					вос	TS A	ND SHOES	s.				
80 da			-	-	1	1	174 days,		1	66	-	-
100 day		•	1	33	2	14	175 days,	٠	-	-	1	1
104 day		•	-	-	1	8	176 days,	•	1	2	1	3
110 day		•	-			18	179 days,	•	2	7	1	44
120 da; 121 da;		•	1	1 99	_	-	180 days, 182 days,	•	2		1	2
125 da	-	٠	_	99	ī	4	183 days,	•			1	362
130 da		•	1	2	1	11	190 days,	•	l -		1	10
136 da	-		1	2		**	195 days,	:]		1	20
187 da			1	81	-		197 days,		_	_	1	75
140 da	-		_	"-	1	2	200 days,		7	321	7	179
144 da	-		1	3	-		204 days,		i	9	_	-
150 da	-		4	54	2	5	205 days,		-	-	1	8
	•	-	2	4	_	-	209 days,	•	1	45	_	_
153 da	ys.											
153 da 154 da	•	:	-	-	1	8	210 days,		-	-	1	28



BOOTS AND SHOES - Concluded.

		18	890	18	39 1		1	890	18	891
DATS IN		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish ments	Persons Em- ployed	Estab- lish- ments	Person Em- ployed
214 days,		1	11	_	_	271 days, .	-	_	1	16
215 days,	Ī	ī	25	1	72	272 days, .	l _	_	1	26
216 days,	•	1	3	_	-	274 days, .	1	17	-	
217 days,				1	16	275 days, .	18	609	17	1,088
219 days,	·	1	20	-		276 days, .	2	43	2	476
220 days,		1	3	2	38	278 days, .	2	350	3	363
225 days,		3	56	5	190	280 days, .	17	1,914	16	1,216
226 days,		_	-	1	14	281 days, .	2	161	2	59
227 days,		_	_	1	99	282 days, .	5	570	5	593
228 days,		1	119	1	219	283 days, .	3	303	-	_
229 days,		_	_	1	75	284 days, .	2	202	1	183
230 days,	•	4	399	3	307	285 days, .	6	392	9	1,594
231 days,		1	70	1	29	286 days, .	3	376	2	173
233 days,		1	20	1	43	287 days, .	2	516	3	401
234 days,		2	30	1	2	288 days, .	6	711	6	420
235 days,		2	69	1	86	289 days, .	2	298	1	5
237 days,		1	79	_	_	290 days, .	25	2,875	18	2,261
239 days,		2	87	_	-	291 days, .	4	990	1	47
240 days,		9	867	9	739	292 days, .	1	36	3	206
244 days,		1	53	2	199	293 days, .	-	_	2	239
245 days,		_	_	2	148	294 days, .	11	1,316	8	1,063
246 days,		1	183	1	15	295 days, .	5	525	11	2,010
248 days,		1	21	2	71	296 days, .	2	137	1	342
250 days,		17	675	10	388	297 days, .	4	248	-	_
252 days,		2	195	ì	192	298 days, .	6	380	7	1,220
253 days,		_	_	1	95	299 days, .	1	80	3	178
254 days,		1	36	1	103	800 days, .	98	9,181	91	6,997
255 days,		4	492	8	283	301 days, .	6	1,111	1	37
256 days,		1	6	1	64	302 days, .	2	1,011	1	114
257 days,		_	_	1	55	303 days, .	6	1,073	7	830
258 days,		_	_	2	119	304 days, .	11	1,252	6	1,539
260 days,		11	1,314	13	740	305 days, .	10	1,152	4	1,614
261 days,		1	76	-	_	306 days, .	181	8,610	212	10,638
262 days,		1	186	1	178	307 days, .	1	32	1	160
263 days,		1	83	2	142	308 days, .	2	373	2	216
261 days,		3	298	- '	-	309 days, .	1	7	1	
265 days,		4	245	2	105	310 days, .	2	9	1	8
266 days,		1	208	1	128	313 days, .	2	5	1	1
267 days,		1	22	1	78	315 days, .	1	3	-	
268 days,		-	-	1	155	1				
269 days,		-	-	1	209	TOTALS, .	567	44,068	567	43,343
		5	516	8	773	1		I 1		1

	_			1		1			1	1	
75 days,		1	1	1	2	140 days,	-	1	4	-	د ا
135 days,		-	-	1	4	150 days,		-	-	1	6

PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued.

DAYS IN OPERATION—1890, 1891—Continued.

BOXES (PAPER AND WOODEN) - Concluded.

		18	390	18	39 1			10	590	14	391
DAYS II OPERATIO		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DATS IN OPERATION	đ.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
153 days,		_		1	. 12	286 days,		1	80	_	
154 days,		_	_	.2	3	287 days,		1	18	2	37
168 days.		_	_	1	17	289 days,		1	19	1	11
184 days,		_	_	1	5	290 days,		5	90	7	100
200 days,	·	3	21	8	10	291 days,		1	11	_	_
202 days,		1	4	_	_	292 days,		1	2	1	2
220 days,		1	4	1	4	293 days,		1	12	_	_
225 days,		1	10	_ [• -	294 days,	:	2	61	1	62
227 days,		-		1	8	295 days,	:	1	12	2	80
228 days,		1	36	_		296 days,	:	8	73		_
230 days,		1	12	2	26	297 days,	:	4	227	_	_
231 days,		1	26	1	23	298 days,		2	61	2	95
232 days,		_		1	7	299 days,		2	139	1	55
234 days,		_	_ [1	8	300 days,	٠	29	690	32	835
235 days,	•	_	_	i	81	301 days,			-	1	10
240 days,	•	8	28	2	38	302 days,		1	5	2	88
43 days,		_	_	ī	12	303 days,		5	122	ī	32
250 days,		2	77	4	42	804 days,	:	1	27	1	28
256 days,		1	8	-	-	305 days,		2	83	i	16
260 days,	•	4	78	4	88	306 days,	٠	40	986	85	901
70 days,	•		-	4	103	307 days,	•	2	30	2	20
73 days,			-	1	100	308 days,	•	1	13		
75 days,		6	138	4	39	309 days,	•	i	26	_	-
78 days,		_	100	1	42	810 days,			_ i	1	66
79 days,		1	5		-	313 days,		1	9		-
80 days,	•	4	30	4	52	315 days,	•		- 1	1	63
281 days,	•	**	30	1	18	olo uays,	٠				
85 days,		1	5	2	19	Totals,		141	3,228	141	3,170
			BRICE	ζ, ΤΙΙ	LES, A	ND SEW	EF	PIP	Е.		
65 days,		1	. 5	-	-	165 days,		2	64	1	31
l00 days,		1	13	-	-	172 days,		1	82	-	-
l17 days,		-	-	1	4	174 days,		-	-	1	19
30 days,		1	25	1	48	175 days,		- 1	-	1	23
iov days,		1	11	-	-	179 days,		-	-	2	87
	•				- 1	180 days,		4	107	1	83
l40 days, l43 days,	:	2	23	- 1	-1	lovuays,					
140 days,			23	1	9			1	11	2	26
l40 days, l43 days,		2		1	- 1	182 days, 185 days,		1 1		2 -	26
140 days, 143 days, 149 days,	•	2 -	-	1	9	182 days, 185 days,			11		26 - 18
140 days, 143 days, 149 days, 150 days,	•	2 - 2	- 3 5	1 6	9 100	182 days,	•	1	11	-	-
140 days, 143 days, 149 days, 150 days, 153 days,	•	2 - 2 2	- 35 28	1 6 1	9 100 41	182 days, 185 days, 190 days, 195 days,	•	1 -	11	- 1	18
140 days, 143 days, 149 days, 150 days, 153 days, 154 days,	•	2 - 2 2 1	- 35 28 24	1 6 1 3	9 100 41 42	182 days, 185 days, 190 days, 195 days, 200 days,		1 - -	11 18 - -	- 1 1	18 22
140 days, 143 days, 149 days, 150 days, 153 days, 154 days, 155 days,		2 - 2 2 1 - 8	28 24	1 6 1 3 1	9 100 41 42 21	182 days, 185 days, 190 days, 195 days, 200 days, 205 days,		1 - - 1	11 18 - - 10 41	- 1 1 2	18 22 36
140 days, 143 days, 149 days, 150 days, 153 days, 154 days,		2 - 2 2 1	- 35 28 24 - 68	1 6 1 3 1	9 100 41 42 21	182 days, 185 days, 190 days, 195 days, 200 days,		1 - - 1	11 18 - - 10	- 1 1	18 22 36



BRICK, TILES, AND SEWER PIPE - Concluded.

	DKIC	л, 111	165, E	MD 8	WER III		ucidued		
	11	390	11	391		11	890	10	891
DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
240 days, .	1	16	1	16	302 days, .	_	-	1	20
250 days, .	-	-	1	47	303 days, .	-	-	2	86
260 days, .	1	82	-	-	306 days, .	8	362	5	270
265 days, .	-	-	1	16	308 days, .	1	56	1	60
270 days, .	1	14	-	-	310 days, .	1	16		-
280 days, .	-	-	1	14	312 days, .	1	18		
800 days, .	2	35		-	Totals, .	45	1,170	45	1,214
	•	BRO	oms,	BRUS	HES, AND	MOPS			
100 days, .	1	1	1	2	291 days, .	1	80	_	-
123 days, .	-	_	1	1	296 days, .	-	-	1	16
247 days, .	-	-	1	4	298 days, .	-	-	1	18
250 days, .	1	5	1	4	300 days, .	1	11	-	-
270 days, .	1	1	-	-	306 days, .	12	578	12	621
275 days, .	1	43	-	-	307 days, .	1	34	-	-
276 days, .	-	-	1	5	308 days, .	1	4	-	-
281 days, .	-	-	1	40	\$10 days, .	1	5		-
285 days, .	∮ -	-	. 1	84	TOTALS, .	21	762	21	790
300 days, .	- 1	- 21	1	1 -	KETS, COF	- 1	- 4	1 -	6 -
806 days, .	4	184	4	215	TOTALS, .	6	209	6	222
		BUTT	ONS A	ND D	RESS TRIM	MINO	38.	1	24
259 days, .	1	5	1	4	301 days, .	:	"	1	185
270 days, .	1	89	1	74	302 days, . 303 days, .	1	127		100
275 days, . 284 days, .	1	"	1	78	304 days, .	1		8	106
284 days, . 290 days, .	1	131	:		305 days, .	1	61	1	458
291 days, .	_		1	131	306 days, .	6	158	5	149
298 days, .	1	77	-	-	307 days, .	2	357	-	-
300 days, .	2	62	1	40	TOTALS, .	17	1,070	17	1,197
	1	<u> </u> i	1	CARPI	TINGS.	<u> </u>	1 -4	I	1 -,
181 daws	1	13	1 -		282 days, .	1	8	l _	
161 days, . 270 days, .	1	36		_	287 days, .	i	1,080	-	-
270 days, . 275 days, .	1	20			290 days, .	i	65		
210 days, .	1 -		,	0	291 days,	1 -		1	85



CARPETINGS -- Concluded.

				JARPI	STING	3 — Conclud	ea.			
		18	390	18	891		11	590	18	891
DAYS IN OPERATION	N.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DATS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
292 days,		_	_	1	87	304 days, .	1	756	-	-
294 days,	٠	-	, -	1	1,074	306 days,	2	297	8	2,877
295 days,	•	1	8		-	307 days, .	-	-	1	23
299 days,	•	-	-	1	756	310 days, .	-	-	1	14
300 days,	٠	1	2,046	-	-	_				
301 days,	•	-	-	1	808	Totals, .	12	4,635	12	4,672
302 days,	٠	1	306	1	9	<u> </u>	<u> </u>			<u> </u>
			C	ARRIA	GES A	ND WAGO	NS.			
100 days,		_	-	2		288 days, .	2	39	1	109
130 days,		-	-	1	4	289 days, .	-	-	1	81
140 days,		1	25	-	-	290 days, .	5	108	1	- 48
153 days,		1	2	1	1	294 days, .	1	4	-	-
178 days,		-	-	1	8	295 days, .	-	-	2	806
212 days,	٠	-	-	1	16	296 days, .	1	97	2	68
230 days,	•	-	-	1	5	298 days, .	1	43	-	-
247 days,	٠	-	-	1	4	800 days, .	16	842	15	856
250 days,	٠	1	9	1	12	302 days, .	2	275	-	-
257 days,	•	-	-	1	87	304 days, .	1	22	- :	-
260 days,	٠	1	52	1	83	305 days, .	1 44	14 822	5 85	93 720
265 days, 270 days,	•	1	18	1	21	306 days, .	4	133	1	42
272 days,	•	1	19	_			4	93	5	80
275 days,	•	2	8	4	21	308 days,	i	24	1	18
280 days,		2.	13	4	81	311 days, .	_	-	1	4
283 days,		1	24	-	_	022 00, 0				
285 days,		1	42	4	119	TOTALS, .	96	2,244	96	2,299
286 days,		2	26	2	58			,		
		CE	MENT,	KAO	LIN, L	IME, AND	PLAS	TER.		
276 days,		-	-	1	6	305 days, .	1	56	-	-
292 days,		1	8	1	8	306 days, .	2	9	-	-
300 days,	•	-	-	1	2	TOTALS, .	4	68	4	58
304 days,	٠	-		1	47	10111110,				
		CHE	MÍCAL	PRE	PARAT	IONS (COM	IPO U	NDED)		
150 days,		1	1	-	-	280 days, .	1	18	-	-
153 days,		1	2	-	-	300 days, .	1	8	1	4
154 days,		-	-	1	1	305 days, .	-	-	1	8
234 days,		-	-	1	2	306 days, .	8	231	3	186
247 days,	٠	-	-	1	62	313 days, .	1	6	-	-
250 days,	٠	-	-	1	16			-	_	
279 days,	٠	1	1	-	-	Totals, .	9	267	9	279

CLOCKS, WATCHES, AND JEWELRY.

	18	590	18	391			10	3 9 0	18	91
DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	•	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
220 days, .	-	-	1	5	278 days,		1	44	_	-
230 days, .	1	84	1	27	279 days,		1	90	1	133
232 days, .	-	-	i	31	280 days,		8	279	.5	174
236 days, .	-	i - i	1	11	281 days,		-	-	1	38
238 days, .	-	-	1	16	282 days,		1	26	.1	42
240 days, .	-	-	3	86	283 days,		1	124	2	100
245 days, .	1	58	-	-	284 days,		1	90	-	-
247 days, .	-	-	1	39	285 days,		-	-	1	39
249 days, .	-	-	1	22	286 days,		3	81	1	68
250 days, .	. 2	13	8	114	288 days,		1	38	2	16
251 days, .	-	· -	1	34	289 days,		1	78	1	59
253 days, .	. -	-	1	20	290 days,		8	514	2	14
255 days, .	. 1	62	1	. 96	291 days,		1	63	-	-
258 days, .	1	46	-	-	293 days,		1	24	-	-
259 days, .	-	_	1	15	294 days,		1	57	1	63
260 days, .	-	-	1	11	295 days,		2	140	-	-
261 days, .	1	23	1	46	296 days,		2	116	1	112
262 days, .	1	17	-	-	298 days,		-	-	1	127
265 days, .	2	108	-	-	300 days,		18	615	8	364
266 days, .	-	-	1	74	302 days,		-	-	1	6
270 days, .	4	103	4	181	304 days,		1	20	-	-
278 days, .	-	-	2	246	305 days,		-	-	2	109
274 days,		_	1	88	306 days,		14	454	13	455
275 days,	-	-	3	186	307 days,		-	-	1	72
276 days,	1	42	-	-	309 days,		-	-	1	47
277 days, .	1	63	1	13	TOTALS.		77	3,422	77	3,394

CLOTHING.

	 1		f	1		1	l 1	1	
100 days,	1	4	-	-	258 days,	1	154	1	58
104 days,	1	5	1	5	260 days,	3	229	2	178
153 days,	1	7	1	7	265 days,	-	-	2	194
156 days,	1	3	1	2	270 days,	1	20	-	-
176 days,	_	-	1	132	271 days,	1	28	-	-
190 days,	-	-	1	17	274 days,	1	150	-	-
194 days,	1	25	-	-	275 days,	1	81	1	58
200 days,	2	29	1	11	276 days,	_		1	42
215 days,	1	30	_	-	279 days,	-	-	1	7
220 days,	_	-	1	22	280 days,	1	65	4	132
227 days,	_		1	22	284 days,	_	-	1	62
228 days,	1	6	-	-	286 days,	2	74	-	-
246 days,	1	7	-	-	287 days,	-	- ;	1	106
250 days,	1	98	2	101	288 days,	1	88	5	465
254 days,	_	- 1	1	88	290 days,	5	455	1	55
256 days,	_	- 1	1	24	292 days,	2	186	-	_

PROPORTION OF BUSINESS DONE: BY INDUSTRIES - Continued. DAYS IN OPERATION - 1890, 1891 - Continued.

		18	390	18	91		1	590	18	391
DAYS I OPERATR		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DATS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
294 days,		1	25 5	1	120	305 days, .	5	285	1	2
295 days,	•	-	-	2	134	306 days, .	56	8,404	50	8,195
296 days,	•	1	850	1	60	307 days, .	1	228	-	-
298 days,	•	-	-	2	70	310 days, .	1	26	-	-
300 days,	•	14	1,182	19	1,782	312 days, .	1	16	-	-
303 days,	•	1	40	2	152			0.150		0.005
304 days,	•	2	698	3	794	TOTALS, .	113	8,178	113	8,097
	CC	OKIN	G, LIC	HTIN	G, AN	D HEATIN	G AP	PARAT	us.	
140 days,		_	_	1	18	270 days, .	-	_	1	89
166 days,		1	22	_	-	272 days, .	1	255	1	255
186 days,		_	-	1	24	273 days, .	1	80	-	-
202 days,		-	-	1	26	275 days, .	-	-	1	99
213 days,		1	22	-	-	276 days, .	1	43	-	-
232 days,		1	55	-	-	279 days, .	1	156	-	-
235 days,	•	-	-	1	16	280 days, .	-	-	2	810
237 days,	•	-	-	1	46	281 days, .	-	-	1	29
241 days,	•	1	88	-	-	282 days, .	2	214	-	-
242 days,	•	1	87	-	-	284 days, .	1	216	-	-
245 days,	•	1	97	-	-	285 days, .	i -	-	2	170
247 days,	•	-	-	1	95	288 days, .	1	38	-	
249 days,	•	-	-	1	88	290 days, .	-	-	1	233
250 days,	•	1	45	1	81	300 days, .	8	84	8	304
254 days,	•	1	85	-	-	305 days, .	1	5	1	6
255 days,	•	1	17	-		306 days, .	7	832	6	326
257 days,	•	-		1	84	308 days, .	-	-	1	17
260 days,	•	1	171	1	46	309 days, .	1	12	-	-
263 days, 265 days,	•	1	170	1 -	63	TOTALS, .	31	2,094	31	2,227
				CORD	AGE	ND TWIN	F.	1		
150 days,		1	6	CORD	AGE A	1 000 1	2	593	li _	<u> </u>
153 days,	•	1	74	-	_	292 days, 296 days, .	l î	856		
235 days,	:	1	114		[297 days, .	1	-	1	400
243 days,	:	_		1	125	298 days, .	1	160		
256 days,	:		[1	5	300 days, .	5	250	5	184
260 days,	:	-	_	i	9	802 days,	-		1	58
264 days,	:	_		i	136	303 days,	1	61	-	-
280 days,	:	1	9	1	126	304 days,	1 -	_	2	651
284 days,	·	1	507	-	-	306 days, .	7	415	6	865
285 days,		1	820	1	507	309 days, .	1	70	1	73
286 days,		_	_	1	832	812 days, .	! -	_	1	15
	-	1	l .	H		1	-	-	11	

3,260

8,595

CORKS, BUNGS, AND TAPS.

	18	390	18	891			18	90	18	391
DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- iish- ments	Persons Em- ployed	DAYS IN OPERATION.		Estab- lish- ments	Persons Em- ployed	Estabe lish- ments	Persons Em- ployed
275 days, .	-	_	1	10	306 days,		2	19	1	10
300 days, .	1	16	1	9		1				
805 days, .	1	10	1	18	TOTALS,		4	45	4	42

COTTON GOODS.

	 				,					
45 days,	_	-	1	7	287 days,		1	223	-	-
70 days,	1	91	-	-	288 days,		2	405	-	-
126 days,	1	43	-	-	289 days,		2	584	-	-
144 days,	1	128	-	-	290 days,		5	2,851	5	817
146 days,	-	-	1	88	291 days,		2	403	2	391
175 days,	-	-	1	71	292 days,		4	1,858	2	1,316
·220 days,	1	796	-	-	293 days,		1	370	1	21
221 days,	1	7	-	-	294 days,		2	750	1	308
225 days,	1	178	-	-	295 days,		6	2,099	,1	233
232 days,	-	-	1	54	296 days,	•	3	1,257	1	75
243 days,	-	-	1	9	297 days,		6	8,107	-	-
245 days,	-	-	1	109	298 days,		7	4,369	1	332
247 days,	1	42	1	87	299 days,		-	-	5	1,408
248 days,	-	-	. 1	844	300 days,		12	5,961	13	2,804
250 days,	1	23	-	-	301 days,	•	5	2,511	4	1,358
235 days,	-	-	1	73	302 days,		4	2,027	3	392
263 days,	1	12	2	48	303 days,		7	2,724	6	3,876
264 days, .	1	324	1	14	304 days,		9	4,676	13	5,405
267 days,	1	44	1	39	305 days,		16	4,580	14	7,429
268 days,	1	85	-	-	306 days,		27	14,980	40	22,574
270 days,	2	112	1	21	307 days,	,	4	5,864	8	8,657
273 days,	- '	-	2	100	308 days,		5	4,870	5	3,406
275 days,	2	138	-	-	309 days,		1	38	8	2,244
276 days,	1	161	1	57	310 days,	•	-	-	1	43
277 days,	2	113	-	-	311 days,		-	-	3	857
278 days,	-	-	1	160	312 days,		-	-	2	3,620
280 days,	3	541	1	41	313 days,		-	-	2	2,476
282 days,	4	1,801	-	-						
283 days,	- '	-	1	681	TOTALS,	•	157	70,596	157	71,960
285 days,	-	_	1	13	1			l i		

COTTON, WOOLLEN, AND OTHER TEXTILES.

240 days, 803 days,	:	1	132 26	-	-	307 days, . 813 days, .	-	-	1 1	34 2,097
806 days,	٠	1	1,976	1	168	Totals, .	3	2,134	3	2,299

DAYS IN OPERATION.		1899		1891				18	390	1891	
		Estab- lish- ments	Persons Em- ployed	Estab- lish - ments	Persons Em- ployed	DAYS IN OPERATION.		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
293 days,		-	-	1	17	306 days,	.	2	29	-	-
300 days,	•	1	19	1	14	309 days, .	.	1	1	-	
304 days,		<u> </u>	-	2	12	TOTALS,	.	4	49	4	45
			1	DRUGS	S AND	MEDICIN	E	s.			
250 days,		1	2	1	2	304 days, .		-	_	1	20
268 days,		_	-	1	35	305 days, .	.	-	_	1	-
275 days,		_	-	1	1	306 days, .	- 1	13	260	11	29:
276 days,		1	34	-	-	308 days, .	- 1	1	69	-	
280 days,		1	1	1	16	313 days, .	.	-	-	1	4
290 days,		1	16	-	-		ŀ			i	
300 days,	٠	1	5	1	7	Totals, .	.	19	377	19	433
					DYES	rurfs.					
250 days,	:	-	-	1	102	305 days, .	.	-	-	1	24
260 days,	٠	1	104	-	-	306 days, .	1	8	54	2	48
275 days,	•	-	-	1	14	307 days, .	1	1	5	1	٤
300 days,	•	1	30	-	-	308 days, .	1	1	24		
304 days,	•	-	-	1	24	Totals, .		7	217	7	218
		EA l	RTHEN	I, PL	STER	, AND STO)1	NE W	ARE.		
217 days,			_	1	87	300 days, .	Ī	2	36		
770 days,		_		1	14	305 days, .		_	-	1	22
280 days,		_	-	1	93	306 days, .	- [1	86	_	
285 days,		1	100	-	-	TOTALS, .	ľ	4	222	4	210
		ELEC	TRICA	L AP	PARAT	rus and	A	PPLI	ANCES	J.	
302 days,		1	2,440	-	-	806 days, .		4	155	3	2,558
305 days,	٠	-	-	2	107	Totals, .		5	2,595	5	2,660
				EL	ECTRO	PLATING.					
246 days,		1	17	_	_	290 days, .	Ī	1	3	_	
269 days,		1	21	_	_	306 days, .	.	6	81	6	29
278 days.		_	_	1	25	310 days, .	- [_	` _	1	14

EMERY AND SAND PAPER AND CLOTH, ETC.

11:		18	390	1891				10	390	1891	
		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	
182 days,		1	17	_		303 days.		1	15	1	60
225 days,		1	8	-	-	306 days,	.	5	158	5	88
275 days,		1	86	1	6	808 days,	.	1	25	1	26
280 days,		-	-	1	86	318 days,	٠	-	-	1	83
300 days,	٠	3	26	8	37	TOTALS,	$\cdot $	18	280	13	336
				FA	NCY A	ARTICLES.					
239 days,		1	24	_	-	305 days,	.	1	20	-	
287 days,		_	_	1	20			1	1	-	_
800 days,		8	199	2	171	1	.	-	-	1	1
303 days,		-	-	1	8		ŀ			ļ	
804 days,	•	-	-	1	24	TOTALS,	•	6	244	6	219
			,]	FERTI	LIZERS.			,	1	
150 days,		1	13	1	13	306 days,		2	16	1	6
290 days,	•	-	-!	1	13	309 days,	٠ إ	1	8	1	10
800 days,	•	3	25	3	11	TOTALS,		7	62	7	53
	_		FIN	E AR	TS AN	D TAXID	El	RMY.			
806 days,		2	7	2	7	TOTALS,		2	. 7	2	7
			FII	REWO	RKS A	ND MATC	H	IES.			
244 days,		1	22	-		806 days,	.	1	8	1	23
265 days,		-	-	1	20		-				
800 days,	•	1	22	1	28	TOTALS,	$\cdot \mid$	8	52	8	71
		FL	AX, HI	EMP,	JUTE,	AND LIN	E	N GO	ODS.		
				i I			-1		j		
275 days.		_	_	1	28	801 days,	.	-	-	1	258
• •		- 1	26	1 -	28	801 days, 802 days,		-	-	1	258 259
277 days,	- 1	- 1 1	- 26 85	_	1			- - 1	- - 839		
277 days, 278 days, 296 days,			i	_	1	802 days,		- 1 2	- 839 269	1	259
275 days, 277 days, 278 days, 296 days, 298 days, 300 days,		1	85	-	-	802 days, . 805 days, .				1	259 832

FOOD PREPARATIONS.

	18	390	1891			1:	390	1891	
DATS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
40 days, .	1	19	-	-	280 days, .	8	111	1	22
51 days, .	-	-	1	15	284 days, .	1	209	-	-
75 days, .	1	2	1	2	285 days, .	-	-	1	6
76 days, .	1	1	-	-	286 days, .	-	-	1	378
90 days, .	-	-	1	1	287 days, .	2	387	2	42
100 days, .	1	1	-	-	290 days, .	2	20	4	91
102 days, .	1	4	2	2	291 days, .	-	-	1	276
103 days, .	-	-	1	6	292 days, .	1	5	-	-
110 days, .	-	-	1	4	294 days, .	2	29	-	-
150 days, .	3	8	6	49	295 days, .	-	-	1	5
153 days, .	-	-	1	9	300 days, .	38	1,205	32	849
154 days, .	1	1	1	2	301 days, .	1	13	1	535
160 days, .	1	10	-	-	802 days, .	1	13	-	-
168 days, .	-	l -l	1	5	303 days, .	-	-	2	89
175 days, .	1	11	-	-	304 days, .	2	17	1	12
179 days, .	1	1	-	-	305 days, .	5	105	6	148
180 days, .	1	21	-	-	306 days, .	138	8,279	125	3,069
195 days, .	-	i -l	1	4	307 days, .	1	41	8	54
200 days, .	3	99	4	4	308 days, .	2	9	4	58
201 days, .	-	-	1	1	309 days, .	1	3	2	861
204 days, .	1	2	1	8	310 days, .	6	83	6	70
205 days, .	1	1	-	-	311 days, .	-	-	1	9
206 days, .	-	-	1	1	312 days, .	8	15	1	1
208 days, .	2	295	1	2	313 days, .	10	80	11	100
210 days, .	1	1	1	1	315 days, .	-	-	1	25
220 days, .	2	7	-	-	316 days, .	-	-	1	10
225 days, .	1	37	1	8	322 days, .	1	12	-	-
228 days, .	-	-	2	38	336 days, .	1	3	1	8
281 days, .	-	-	1	2	337 days, .	-	_	4	24
240 days, .	1	8	-	- 1	350 days, .	1	8	-	_
250 days, .	2	4	4	6	360 days, .	1	16	1	11
268 days, .	-	-	1	80	365 days, .	12	201	11	170
275 days, .	1	25	3	7					
276 days, .	1	17	-	_	Totals, .	264	6,434	264	7,082
277 days, .	-	_	1	17				1	

FURNITURE.

60 days, 126 days,		1 -	2 -	- 1	- 6	, .	:	1	2 8	- 1	- 1
150 days,		-	-	2	9	214 days,	•	-	-	1	14
156 days,		-	-	1	18	228 days,		1	5	1	5
160 days,		1	15	-	-	230 days,		1	3	-	-
180 days,	•	1	5	-	-	240 days,	•	1	26	1	5

FURNITURE — Concluded.

	18	890	16	391		10	890	18	91
DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Person Em- ployed
250 days, .	1	5	1	27	292 days, .	2	86	1	26
256 days, .	1	2	-	-	293 days, .	1	72	-	-
258 days, .	1	2	-	-	294 days, .	2	59	3	138
267 days, .	1	10	-	-	295 days, .	-	-	8	68
268 days, .	_	-	1	11	296 days, .	1	48	1	9
270 days, .	2	48	-	_	297 days, .	-	-	1	74
272 days, .	1	8	1	14	298 days, .	1	33	2	122
275 days, .	2	5 6	1	10	299 days, .	_	-	1	٤
276 days, .	_	_	1	29	300 days, .	30	2,045	16	1,809
277 days, .	_	-	1	23	301 days, .	-	-	1	22
278 days, .	_	-	1	44	302 days, .	1	45	1	91
280 days, .	1	26	3	37	304 days, .	2	99	8	72
281 days, .	1	14	_		305 days, .	4	143	1	39
282 days, .	1	84	_	_	306 days, .	40	1,407	52	1,72
233 days, .	_	_	1	20	307 days, .	1	21	_	٠.
285 days, .	1	8	3	78	309 days, .	1	36	1	11
288 days, .	2	130	3	176	313 days, .	2	21	_	Ι.
290 days, .	7	313	8	257					
291 days, .	2	34	_		TOTALS, .	120	4,871	120	4,99
155 days, . 260 days, . 270 days, .	1 1	245 30	1 -	17 - -	300 days, . 305 days, . 306 days, .	2 6	43 140	1 1 5	15
270 days, . 280 days, .	-	-	2	303		10	458	10	48
	<u> </u>	GLUI	tst	NGT.AS		TARCE	1	10	100
	1	I I	<u> </u>	ı	1	1	1	Γ	1
90 days, .	-	-	1	25	240 days, .	1	17		-
95 days, .	1	25	-	-	269 days, .	-	-	1	3
175 days, .	1	4	-	-	270 days, .	-		1	2
200 days, .	1	3	2	128	275 days, .	1	84	-	-
204 days, .	1	4	1	4	300 days, .	2	33	2	3
208 days, .	1	4	1	6	302 days, .	-	-	1	1
230 days, .	-	-	1	3	306 days, .	3	191	2	7
234 days, .	1	40	-	[313 days, .	1	31		<u> </u>
236 days, .	-	-	1	45	Totals, .	14	386	14	89
	I	HAIR V	work	(ANII	MAL AND	HUMA	M).		
153 days, .	Ι.		1	2	300 days, .	1	4	1	
207 days, .	1	8	i	4	304 days.	-		1	13
247 days, .	1	31	-	[306 days, .	6	158	5	4
	1	1 1	١.	1	, •	<u> </u>			l
250 days, .	1	17	1	14	TOTALS, .	10	213	10	20

HOSE: RUBBER, LINEN, ETC.

	DAYS IN	18	390	1891				18	890	1891				
DATS IN OPERATIO		Estab- lish- ments	Persons Em- ployed	Em-		Em-	Estab- lish- ments	Persons Em- ployed	DATS IN OPERATION	r.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
78 days,		-	_	1	1	301 days,		1	17	-	_			
91 days,		1	1	-	-	306 days,		2	18	8	49			
297 days,		1	144	-	-					<u> </u>				
298 days,		-	-	1	183	TOTALS,		5	175	5	238			

HOSIERY AND KNIT GOODS.

76 days,	.	-	-	1	1	272 days,	1	137	_	_
100 days,		1	2	1	1	275 days,	1	33	_	-
104 days,		1	2	1	3	280 days,	1	32	2	318
106 days,		-	-	1	5	286 days,	1	49	-	-
150 days,	.	2	17	1	2	288 days,	1	230	1	92
200 days,		8	18	1	8	290 days,	-	-	2	39
210 days,		1	10	-	-	292 days,	2	206	1	74
218 days,		1	8	-	-	294 days,	8	277	2	108
220 days,	.	-	-	1	18	295 days,	1	85	2	88
224 days,		1	5	1	8	298 days,	1	665	-	-
230 days,		1	11	-	-	300 days,	8	101	5	844
240 days,		1	5	2	13	303 days,	2	85	- 1	-
250 days,		1	5	1	2	304 days,	1	89	1	38
252 days,		-	-	1	28	305 days,	1	334	1	36
258 days,	.	1	5	-	-	806 days,	6	1,752	7	823
264 days,		-	-	1	127	307 days,	-	-	2	2,445
265 days,	•	1	14	1	24	TOTALS,	40	4,077	40	5,130

INK, MUCILAGE, AND PASTE.

226 days,		1	2		_	280 days,			_	1	5
289 days,		_		,	3	290 days,	•	,	5	_	_
240 days,	Ċ	_	_	i	8	306 days,		5	105	5	104
250 days,		,	8	1 -	_	1	•	<u> </u>		ļ	
unye,	•	•	ا ۱	1	-	TOTALS,		8	115	8	115

IVORY, BONE, SHELL, AND HORN GOODS, ETC.

		1				1	1			
276 days,		1	86	-	_	300 days,	2	96	8	102
280 days,		1	18	- 1	-	301 days,	-	- 1	1	17
285 days,		-	-	1	81	305 days,	1	6	1	84
290 days,	•	-	-	1	44	306 days,	5	182	8	118
293 days,		-	-	1	38	307 days,	-	-	1	46
295 days,		1	23	-	-	312 days,	-	-	1	24
296 days,		1	23	-	-		l			
299 days,		1	77	_	-	TOTALS,	13	461	13	504
				1]	 <u> </u>	<u> </u>	1	

LEATHER.

		18	90	18	91		10	890	18	891 ,
DAYS II OPERATIO		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
151 days,		_	_	1	10	275 days, .	8	49	2	43
152 days,		-	-	1	2	276 days, .	1	9		-
153 days,		-	_	1	24	278 days, .	1	133	2	87
154 days,		-	-	1	5	279 days, .	-	-	2	226
159 days,		-	-	1	11	280 days, .	3	288	3	29
160 days,		-	-	1	2	282 days, .	1	67	1	111
180 days,		1	4	1	7	283 days, .	-	-	2	58
182 days,		-	-	1	47	284 days, .	1	22	2	112
192 days,		1	11	-	-	285 days, .	1	30	2	60
193 days,		1	9	-	-	286 days, .	1	11	1	28
200 days,		-	-	8	27	287 days, .	1	94	-	-
204 days,		2	35	1	1	288 days, .	-	-	2	24
206 days,		-	-	1	10	290 days, .	4	289	2	79
220 days,		-	-	2	28	293 days, .	1	116	-	-
228 days,		۱ -	-	1	68	294 days, .	8	117	-	-
229 days,		1	91	-	-	295 days, .	-	-	1	26
230 days,		-	-	1	8	296 days, .	2	172	2	148
231 days,		-	-	1	29	298 days, .	1	78	-	-
234 days,		1	10	-	-	299 days, .	1	25	1	22
240 days,		2	33	-	-	300 days, .	33	1,166	26	1,109
245 days,		-	-	1	34	301 days, .	2	114	4	169
246 days,		1	48	-	-	302 days, .	1	33	-	
250 days,		2	50	1	166	308 days, .	1	28	-	-
253 days,		-	-	1	87	305 days, .	5	289	7	145
257 days,		-	-	1	46	306 days, .	57	2,004	53	1,651
258 days,		1	49	-	-	307 days, .	2	63	4	191
260 days,	•	2	45	,3	50	309 days, .	' 1	12	2	50
265 days,		1	31	-	-	310 days, .	-	-	1	51
266 days,	•	2	86	-	-	311 days, .	1	10	-	-
268 days,		1	11	- 1	-	313 days, .	8	186	8	108
270 days,	•	3	59	3	123					
274 days,	•	1	160	1	200	TOTALS, .	154	6,137	154	5,512
	I	IQUO	RS AN	D BE	EVERA	GES (NOT	SPIR	TUOU	8).	
152 days,		1	6	_	_	305 days, .	1	7	1	6
200 days,		1	2	۱ -	-	306 days, .	6	85	7	75
231 days,		_	-	1	8	308 days, .	-	-	1	34
300 days,		1	6	-	-	317 days, .	1	8	1	3
304 days,	•	1	6	1	5	Totals, .	12	115	12	126
	L	QUOI	RS: M	ALT,	DISTI	LLED, ANI) FER	RMENT	ED.	
10 days,		1	1	-	_	25 days, .	<u>-</u>	_	1	1
18 days,	:	1	i	_	_	30 days,	1	1	ī	Î
23 days,	•	1	ı	۱ ـ	1 1	38 days, .	1 -	-	1	11

PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued.

DAYS IN OPERATION—1890, 1891—Continued.

LIQUORS: MALT, DISTILLED, AND FERMENTED - Concluded.

		14	890	18	891			1	5 9 0	10	891
DAYS IN		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	N.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
45 days,		1	1	-	-	245 days,		1	5	-	_
50 days,		1	1	1	1	248 days,		1	11	-	-
52 days,		1	1	1	1	273 days,		-	-	1.	5
61 days,	•	1	1	-	-	290 days,		-	-	1	7
77 days,		1	1	-	-	295 days,		1	2	-	-
78 days,		-	-	1	1	296 days,		-	-	1	2
80 days,		-	-	1	1	300 days,		1	19	2	27
90 days,		1	1	2	2	303 days,		1	27	1	25
.00 days,		-	-	2	8	304 days,		-	-	2	97
01 days,		1	1	-	-	305 days,		2	82	1	22
108 days,		-	-	1	1	306 days,		19	567	19	577
50 days,		1	1	-	-	309 days,		-	-	1	60
53 days,		1	4	-	-	310 days,		1	20	1	20
180 days,		1	2	-	-	312 days,		1	17	2	72
00 days,		1	2	1	2	313 days,		3	100	1	4
25 days,		-	-	1	2	365 days,		-	-	2	64
40 days,		2	50	-	-						
44 days,	•	1	8	-	-	TOTALS,	•	49	928	49	1,009
					LUM	BER.					
50 days,		_	_	1	1	299 days,		1	70	-	_
00 days,		2	2	1	1	300 days,		5	59	4	29
20 days,		1	10	-	-	301 days,		2	62	1	49
30 days,		-	_	1	227	304 days,		1	34	_	-
50 days,		-	-	2	12	305 days,		1	37	2	71
59 days,		_	-	1	16	306 days,		6	78	7	133

										·	
			M A (ומושי	ES AN	D MACH	ITN	rpv			
			MA		O AN	D BIACI	1111	MICE.			
150 days,		1	1	2	2	273 days,		1	3	-	-
200 days,	.	1	2	2	10	278 days,		-	-	1	97
225 days,	•	-	-	1	18	280 days,		2	65	8	63
227 days,		_	-	1	. 6	283 days,		-	-	1	21
229 days,		1	6	-	-	284 days,	•	-	-	2	30
234 days,	-	_	-	1	1	286 days,		-	-	1	9
236 days,		1	7	-	-	287 days,		-	-	1	60
239 days,	.	1	-	1	1	289 days,		1	11	1	11
245 days,		-	-	1	5	290 days,		2	97	2	158
250 days,		1	2	1	2	292 days,		2	25	-	-
980 4074	- 1	9	107	1	0.0	202 dawa			001		1 00

272 days,

MACHINES AND MACHINERY - Concluded.

		18	390	1891				18	890	1891	
DAYS IN OPERATION	•	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	n- 01 2222 1021		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
294 days,		_		2	350	304 days,		10	161	8	1,239
295 days,		6	565	6	723	305 days,		15	568	18	1,059
296 days,		1	4	8	177	306 days,		129	7,043	114	7,782
297 days,		1	6	-	-	307 days,		4	1,077	12	1,144
298 days,		2	145	1	146	308 days,		7	624	8	77
299 days,		2	223	2	245	309 days,		4	1,371	-	-
800 days,		87	1,258	48	1,405	310 days,		6	878	2	58
301 days,		1	88	2	55	312 days,		-	-	1	45
302 days,		8	1,132	6	398	313 days,		6	180	2 .	409
303 days,		6	316	4	187	TOTALS,		263	15,709	263	16,120

METALS AND METALLIC GOODS.

70 days,	_	_	1	34	265 days,	2	104	-	_
74 days,	1	3	-	-	266 days,	1	26	-	-
93 days,	1	40	-	-1	270 days,	1	21	2	37
100 days,	1	2	1	1	272 days,	1	20	-	-
102 days,	-	-	1	10	273 days,	-	-	1	8
125 days,	2	19	-	-	274 days,	-	-	1	11
130 days,	-	-	1	1	275 days,	2	700	4	251
153 days,	1	1	-	- 1	276 days,	1	14	-	-
175 days,	-	-	1	4	277 days,	1	44	-	-
200 days,	1	21	2	89	278 days,	1	26	-	-
213 days,	1	1	-	-	279 days,	1	5	-	-
215 days,	-	-	1	23	280 days,	6	437	9	248
225 days,	2	140	1	9	281 days,	1	24	1	48
228 days,	-	-	1	826	282 days,	2	174	-	-
229 days,	1	341	-	-	283 days,	1	25	1	41
230 days,	-	-	1	72	284 days,	2	49	-	-
234 days,	2	11	1	1	285 days,	1	72	4	149
236 days,	1	2	-	-	286 days,	8	264	2	188
240 days,	2	26	1	16	287 days,	-		1	46
244 days,	-		1	24	288 days,	4	94	1	62
245 days,	1	9	-	-	289 days,	2	98	2	128
246 days,	1	38	-	-	290 days,	4	85	8	541
247 days,	-	-	2	43	291 days,	1	68	2	25
250 days,	2	46	4	66	292 days,	2	172	2	24
251 days,	-	- 1	1	174	293 days,	1	12	1	20
253 days,	_	-	2	36	294 days,	1	71	2	670
254 days,	1	4	-	-	295 days,	4	129	4	247
256 days,	-	-	1	23	296 days,	1	16	2	110
260 days,	3	95	1	55	297 days,	8	821	4	112
262 days,	-	-	1	5	298 days,	3	375	8	480
263 days,	-	_	1	13	299 days,	1	198	2	82

METALS AND METALLIC GOODS - Concluded.

		18	390	1891				18	39 0	10	891
DATS IN OPERATION	N.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	ī.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
300 days,		38	1,018	45	1,645	307 days,		6	257	7	495
301 days,		4	164	1	232	308 days,		3	81	3	26
802 days,		9	557	7	200	309 days,		8	82	3	121
303 days,		- 1	-	7	982	310 days,		8	117	2	232
304 days,		18	1,196	10	835	311 days,		1	184	1	7
305 days,		14	564	9	430	313 days,		2	8	1	44
806 days,	•	103	7,975	95	8,121	TOTALS,		277	17,096	277	17,373

MIXED TEXTILES.

222 days,	-	-	1	80	300 days,	1	39	1	49
239 days,	-	-	1	61	301 days,	-	-	1	28
248 days,	1	131	-	-	302 days,	-	-	2	48
268 days,	_	-	1	25	305 days,	1	16	-	-
270 days,	1	27	-	-	306 days,	6	522	4	460
275 days,	1	27	- 1	-	312 days,	-	-	1	16
290 days,	1	58	1	30					
297 days,	1	13	-	_	TOTALS,	13	833	13	797

MODELS AND PATTERNS.

305 days,	•	1	3 38	5	42	Totals, .	5	41	5	42
				l '	1				1	ı

MUSICAL INSTRUMENTS AND MATERIALS.

174 days,		-	-	1	4	295 days,		1	20	-	-
205 days,			-	1	4	296 days,	•	1	26	-	_
206 days,		1	21	·-	-	297 days,		-	-	1	220
208 days,	.	-	-	1	1	298 days,		1	40	-	-
214 days,	.	-	-	1	14	299 days,		1	347	2	491
244 days,	.	1	9	-	-	300 days,		6	317	9	528
262 days,	.	1	360	-	-	301 days,		1	6	-	-
264 days,	.	-	-	1	24	302 days,		1	26	-	-
275 days,	.	1	1	1	2	303 days,		-	-	1	125
280 days,		-	• -	2	283	304 days,		-	-	1	54
285 days,		-	-1	2	19	305 days,		2	44	` 2	147
288 days,		1	208	1	20	306 days,		26	1,459	15	636
290 days,		-	-	1	40	309 days,		-	-	1	31
292 days,		1	5	-	-	313 days,		! - !	-	1	30
294 days,	•	-	-	1	19	Totals,		46	2,889	46	2,692

OILS AND ILLUMINATING FLUIDS.

	10	390	18	891			18	39 0	18	391
DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	X .	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
279 days, .	1	2	-	-	312 days,		-	-	1	42
300 days, .	1	35	2	44	313 days,		1	41	-	-
306 days, .	5	82	5	79	1					
308 days, .	1	13	1	16	TOTALS,		9	173	9	181

PAINTS, COLORS, AND CRUDE CHEMICALS.

		_ [_				١.	705	5	104
190 days,	•	1	8	1	4	300 days,	٠	4	107	9	104
244 days,		-	-	1	2	302 days,		-	-	1	29
249 days,		1	3	-	- i	305 days,		1	18	-	-
250 days,		1	8	-	-	306 days,	•	6	75	5	60
260 days,		-	-	1	8	307 days,		-	-	1	23
275 days,		2	28	-	-						
284 days,		-	-	1	10	Totals,	•	16	242	16	240

PAPER AND PAPER GOODS.

•											
30 days,		_	-	1	1	285 days,		-	-	8	339
40 days,		1	1	۱ -	-	288 days,		8	368	-	-
150 days,		2	21	-	-	290 days,		2	441	1	211
154 days.		-	-	1	8	292 days,		1	208	2	67
162 days,		1	25	-	-	293 days,		2	158	2	486
200 days,		1	2	-	-	294 days,		1	163	-	-
205 days,		_	-	1	11	295 days,		3	248	3	75
218 days,		1	172	-	-	296 days,		1	239	-	-
220 days,		-	-	1	73	298 days,		8	380	-	-
225 days,		_	-	1	32	299 days,		1	149	-	-
226 days,		1	19	-	-	300 days,		18	1,868	11	1,042
230 days,		-	-	2	47	301 days,		2	71	-	-
232 days,		-	-	1	21	302 days,		2	231	2	136
236 days,		1	103	-	_	303 days,		2	-276	2	332
238 days,		-	-	1	18	304 days,	:	2	80	8	871
239 days,		_	-	1	2	305 days,		2	245	6	720
240 days.		1	73	-	- 1	306 days,		22	2,217	82	3,756
253 days,		-	-	2	34	307 days,		8	238	8	854
256 days,		1	83	-	-	308 days,		4	866	6	534
260 days,		1	16	-	-	309 days,		1	58	1	191
265 days,		1	24	-	-	310 days,		5	305	8	149
266 days,		_	-	1	119	311 days,		1	68	1	61
270 days,		1	29	-	-	312 days,		1	127	1	175
275 days,		2	48	1	115	313 days,		2	251	-	-
276 days,		1	119	2	284						
290 days,		1	16	3	50	TOTALS,		102	9,574	102	9,873
282 days,	·	1	118	1	59	1					
	•	-		1		1			1 1	1	

		18	390	18	891		1	890	18	891
Days in Operation		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
300 days, 306 days,	•	2 2	9 26	1 3	5 81	TOTALS, .	4	85	4	36
	PH	ото	GRAPH	S AN	D PHO	TOGRAPH	IC M	ATERIA	ALS.	
280 days,		_	_	1	14	311 days, .	1	31	1	37
300 days,	٠	1	22	-	-!					
306 days,	٠	9	99	9	90	TOTALS, .	11	152	11	141
			P	OLISH	ES AN	D DRESS	ING.			
205 days,		1	5	-	-	301 days, .	1	1	-	-
270 days,		1	3	1	3	306 days, .	12	195	12	115
285 days,	•	1	9	-	-	307 days, .	-	-	1	9
292 days,	•	1	10	:		313 days, .	-		1	1
296 days, 300 days,	:	1	- 6	1 2	75 15	TOTALS, .	18	229	18	218
		PRIN	TING,	PUBI	LISHIN	G, AND B	оокв	INDIN	G.	
204 days,		1	73	-	-	305 days, .	1	7	2	448
278 days,		-	-	1	77	306 days, .	16	1,477	15	1,027
280 days,	•]	-	-	1 1	11 57	307 days, . 308 days, .	1 -	12	1	28
295 days, 300 days,		-	_	2	95	308 days, .	1	25	1 1	
300 days, 301 days,		3	155	_	- 1	olo days, .				
302 days,		1	6	1	53	TOTALS, .	24	1,755	24	1,796
	PR	INT	work	S. DY	E WO	RKS, AND	BLE	CHER	ies.	<u>'</u> ,
76 days,	•	-	-	1	156	295 days, .	2	125	-	-
185 days,		1	10	-	-	296 days, .	1	160	-	-
203 days,		-	-	1	9	299 days, .	-	-	1.	816
229 days,		1	111	-		300 days, .	4	295	12	1,306 436
250 days,	•	-	-	1 -	7	301 days, . 302 days, .	-	-	2	583
254 days,	•	1	2 13	[_	302 days, .	1 -		1	268
267 days, 270 days,	:	_	10	1	2	304 days,	8	878	1	165
273 days,		1	423	-	-	305 days,	2	1,327	1	5
275 days,		_	-	2	117	306 days,	14	1,222	7	36
278 days,		1	471	-	-	307 days, .	-	-i	1	248
279 days,		1	141	-	-	308 days, .	1	264	-	-
280 days,		-	-	1	162	310 days, .	2	15	1	8
282 days,	•	1	64	-	-	313 days, .			1	901
005 3			, '							

5,521

5,240

TOTALS, .

RAILROAD CONSTRUCTION AND EQUIPMENT.

		18	990	18	391		18	590	18	391
DAYS IN		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
234 days,		-	-	1	82	303 days, .	1	845	2	386
290 days,	•	-	-	1	763	304 days, .	1	156	3	300
292 days,	•	1	70	-	- i	305 days, .	5	1,367	2	454
293 days,	•	8	378	-		309 days, .	1	271	-	
294 days,	•	-	-	2	110	310 days, .	:		1	255
295 days,	•	-	-	2	359	311 days, .	1	72		
299 days,	•	1	92	-	-	Totals, .	14	2,751	14	2,709
			RUB	BER	AND I	CLASTIC G	oods	•		
153 days,		1	25	-	-	277 days, .	-	_	1	11
162 days,		-	-	1	813	280 days, .	-	-	1	323
165 days,		-	-	1	6	282 days, .	1	1,074	-	-
200 days,		-	-	1	8	284 days, .	-	-	1	1,180
203 days,	•	1	82	-	-	290 days, .	2	79	-	-
215 days,	•	- '	-	1	22	293 days, .	1	1,132	-	-
245 days,	•	-	-	1	15	298 days, .	2	24	-	-
256 days,	•	-	-	1	58	299 days, .	1	69	2	43
257 days,	•	1	642	-	-	300 days, .	4	638	6	940
263 days,	•	1	14	-	-	302 days, .	1	13	-	-
265 days,		-	-	1	241	303 days, .	2	825	-	-
269 days,		-	-	1	192	306 days, .	9	920	6	462
270 days,	•	1	2,305	-	-	307 days, .	-	-	1	54
273 days,	•	-	-	2	3,860	309 days, .	1	78	-	-
275 days,	•	1	250	-	-	310 days, .	-	-	1	78
276 days,	•	-	-	1	51	Totals, .	30	7,615	30	7,857
	1	SCIEN	TIFIC	INST	TRUME	NTS AND	APPL	IANCE	s.	٠
250 days,		-	_	1	8	302 days, .	2	706	1	3
282 days,		1	24	-	-	808 days, .	-	-	1	773
285 days,	•	-	-	1	26	304 days, .	1	16	2	82
287 days,		1	4		-	306 days, .	3	108	3	79
292 days,	•	1	17	1	20	313 days, .	1	4	-	
800 days,	•	1	14	1	5	TOTALS, .	11	893	11	991
			<u> </u>	s	HIPBU	ILDING.	<u>'</u>	<u>' </u>	<u>' — — — — — — — — — — — — — — — — — — —</u>	·
96 days,		1	2	_	_	180 days, .	1	8	1	8
120 days,	:			1	8	200 days, .	2	5	2	10
126 days,	:	1	1	1	1	204 days, .	-	[ī	-
150 days,	:	i	2	8	3	208 days, .	_	_	1	1
153 days,	•	1	5	1	1 1	225 days, .	2	4	1 -	

	14	890	18	91		18	890	18	891
DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Person Em- ployed
229 days, .	2	2	-	-	286 days, .	-	-	1	5
233 days, .	-	-	1	5	290 days, .	-	-	1	5
237 days, .	1	1	-	-	300 days, .	5	104	4	76
242 days, .	1	25	-	-	303 days, .	-	-	1	8
250 days, .	1	1	2	11	305 days, .	-		1	84
251 days, .	1	-	1	22	306 days, .		487	15	886
260 days, .	-		2	5	310 days, .	1	24	-	-
270 days, .	1	7	1	8	_				
271 days, .		[]	1	41	TOTALS, .	42	680	42	679
280 days, .	1	7	1	7		<u></u>		<u> </u>	L
			SILK		SILK GOOD	08.			·
286 days, .	-	-	1	466	297 days, .		463	-	-
287 days, .	1	-	1	438	800 days, .		35	2	184
289 days, .	1	300	-	-	301 days, .		46	-	-
293 days, .	1	487	-	-	306 days, .	4	937	8	801
296 days, .	-	-	2	343	TOTALS, .	9	2,268	9	2,232
115 days, .	1	3	-	_	300 days, .	2	102	1	20
270 days, .	1	10	1	10	306 days, .	1	20	8	187
277 days, .		-	1	1	307 days, .	-	-	1	88
280 days, .	1	53	-	-	310 days, .	1	2	1	2
288 days, .	1	64	-	-	318 days, .	1	69	-	-
290 days, .	-	-	1	62	TOTALS, .	9	323	9	367
				STO	ONE.				<u> </u>
80 days, .	-	-	1	-	230 days, .	-	-	1	4
96 days, .	-		1	1	234 days, .	1	3	1	2
	1	1		-	235 days, . 236 days, .	1	_	1	14
•	1			4	I YXR dave				-
105 days, .	-	-	1	-		_	7	-	i
105 days, . 150 days, .	1	5	-	-	239 days, .	1	6	2	. 19
105 days, . 150 days, . 179 days, .	1	5 1	-	-	239 days, . 240 days, .	1 2	6 22	-	· 19
105 days, . 150 days, . 179 days, . 181 days, .	1 1 -	5 1 -	-	- - 18	239 days, . 240 days, . 241 days, .	1 2 1	6	2 1 -	28
105 days, . 150 days, . 179 days, . 181 days, .	1 1 - 1	5 1 - 9	1	- 18 -	239 days, . 240 days, . 241 days, . 243 days, .	1 2 1	6 22 26 -	2 1 - 1	· 15
105 days, . 150 days, . 179 days, . 181 days, . 184 days, .	1 1 - 1 1	5 1 - 9 10	- 1 - 1	- - 18 - 8	239 days,	1 2 1 -	6 22	2 1 - 1 5	15 24 5 8
105 days,	1 1 1 1 3	5 1 - 9 10 12	1 - 1 3	- 18 - 8 17	239 days,	1 2 1 - 1 -	6 22 26 - 4 -	2 1 - 1 5	21 22 31 31
105 days,	1 1 - 1 1 3	5 1 - 9 10 12 11	1 1 3 1	- - 18 - 8	239 days,	1 2 1 - 1	6 22 26 - 4 -	2 1 - 1 5	12 28 87 39
105 days,	1 1 - 1 1 3 1	5 1 - 9 10 12 11 4	1 3 1	- 18 - 8 17	239 days, 240 days, 241 days, 243 days, 250 days, 252 days, 253 days, 254 days, 254 days, 254 days,	1 2 1 - 1 - 1	6 22 26 - 4 - 3	2 1 - 1 5 1 2	28 28 87 39 87
105 days,	1 1 - 1 1 3	5 1 - 9 10 12 11	1 1 3 1	- 18 - 8 17	239 days,	1 2 1 - 1 - 1	6 22 26 - 4 -	2 1 - 1 5	1: 2: 8: 8: 3:

STONE — Concluded.

		18	390	. 18	891		11	890	18	391
DAYS IN OPERATIO		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Person Em- ployed
258 days,		_	-	1	5	288 days, .	3	801	-	
260 days,		5	250	3	68	289 days	_	-	1	18
264 days,		8	107	_	_	290 days, .	4	81	1	276
265 days,		2	77	۱ ـ	-	291 days, .	-	_	1	32
266 days,		_	_	1	5	292 days, .	1	17	_	
267 days,		۱ ـ	_	1	11	294 days, .	1	50	3	128
270 days,		4	36	8	66	295 days, .	1	6	3	126
272 days,		1	7	_	_	296 days, .	1	11	1	28
274 days,		1	12	1	15	297 days, .	-	_	2	73
275 days,		6	246	6	287	300 days, .	9	501	14	672
276 days,		ı	3	-		301 days, .	3	223	1	47
277 days,		Î	27	l _	_	304 days.	1	18	-	
278 days,	:	1	29	-	_	305 days, .	4	128	3	88
279 days,		i	33	_	_	306 days, .	23	860	23	778
280 days,	:	2	26	5	138	307 days, .	2	38	1	110
281 days,	•	2	29	-	100	900 4	2	27	l <u>.</u>	**
282 days,	•	1	5	1	74	010 1	1	39	1	18
284 days,	•		ا ا	1	28	0.00	1	-	1	1
285 days,	•	8	42	4	61	-	-	-	1	30
286 days,	•	1	39	1		317 days, .				30
280 days, 287 days,	:	1	14	-	-	Totals, .	111	3,434	111	3,435
			STRA	W AN	D. PA	LM LEAF	GOOD	s.		
150 days,			1 !	1						
ioo aaja,	•	1	113	-	-	260 days, .	1	113	2	200
-		1 -	113 -	1	- 81	260 days, . 264 days, .	1 -	113	2 1	
153 days,	•		1		- 81 118		1 - 1	113 - 64		200 114
153 days, 165 days,			-	1		264 days, .	-	-		114
153 days, 165 days, 200 days,	•		- -	1 1	118	264 days, . 278 days, .	1	- 64	1 -	114
153 days, 165 days, 200 days, 222 days,	•	-	- - -	1 1	118 41	264 days, . 278 days, . 280 days, .	1 1	- 64 88	1 -	114
153 days, 165 days, 200 days, 222 days, 225 days,	•	- - 1	- - - 35	1 1 1	118 41 -	264 days, . 278 days, . 280 days, . 282 days, .	1 1 1	- 64 88 123	1 - 2 -	
153 days, 165 days, 200 days, 222 days, 225 days, 230 days,	•	- - 1 2	- - - 35	1 1 1 - 2	118 41 - 320	264 days, . 278 days, . 280 days, . 282 days, . 292 days, .	1 1 1 1	- 64 88 123	1 - 2 -	114 - 156 -
153 days, 165 days, 200 days, 222 days, 225 days, 230 days,	•	- - 1 2	- - 35 340	1 1 1 - 2 1	118 41 - 320 231	264 days,	1 1 1 1	- 64 88 123	1 - 2 - - 1	114 156
153 days, 165 days, 200 days, 222 days, 225 days, 230 days, 235 days, 240 days,	•	- - 1 2 - 1	- - 35 340 - 117	1 1 1 - 2 1	118 41 - 320 231	264 days,	1 1 1 1	- 64 88 123	1 - 2 - 1 1	114 - 156
153 days, 165 days, 200 days, 222 days, 225 days, 230 days, 235 days, 240 days, 250 days,		- - 1 2 - 1	- - 35 340 - 117	1 1 1 - 2 1 -	118 41 - 320 231 - 14	264 days,	1 1 1	- 64 88 123 141 	1 - 2 - 1 1	114 156
153 days, 165 days, 200 days, 222 days, 225 days, 230 days, 240 days, 250 days, 250 days, 250 days, 251 days,		- - 1 2 - 1	- - 35 340 - 117 9	1 1 1 - 2 1 - 1	118 41 - 320 231 - 14 236	264 days,	1 1 1	- 64 88 123 141 	1 - 2 - 1 1	11- 15- 11- 38: 8
153 days, 165 days, 200 days, 222 days, 225 days, 230 days, 235 days, 240 days, 250 days,		1 2 - 1 1 - 1 1	- - 35 340 - 117 9 -	1 1 1 - 2 1 - 1 2	118 41 - 320 231 - 14 236 -	264 days,	1 1 1 1 - - 4	- 64 88 123 141 765	1 - 2 - 1 1 1	114 156
153 days, 165 days, 200 days, 222 days, 225 days, 235 days, 236 days, 240 days, 250 days, 257 days,		1 2 - 1 1 - 1 1	- - 35 340 - 117 9 - 123 42	1 1 1 2 1 2 - 1 2 -	118 41 - 320 231 - 14 236	264 days, 278 days, 280 days, 282 days, 292 days, 295 days, 300 days, 305 days, 306 days, Totals,	1 1 1 1 1 1 4 17 D GR	- 64 88 123 141 - 765 2,073	1 - 2 - 1 1 1	114 - 156 - 118 382 83
153 days, 165 days, 200 days, 222 days, 225 days, 235 days, 235 days, 240 days, 250 days, 253 days, 257 days,			35 340 - 117 9 - 123 42	1 1 1 - 2 1 - 1 2	118 41 - 320 231 - 14 236 -	264 days, 278 days, 280 days, 282 days, 292 days, 295 days, 300 days, 305 days, 306 days, TOTALS, SOAP, AN	1 1 1 1 - - 4	- 64 88 123 141 - 765	1 - 2 - 1 1 1 - 17	114 156 118 382 83 -
153 days, 165 days, 200 days, 222 days, 225 days, 230 days, 240 days, 250 days, 253 days, 257 days, 253 days,				1 1 1 2 1 2 - 1 2 -	118 41 - 320 231 - 14 236 - - DLES,	264 days, 278 days, 280 days, 282 days, 292 days, 295 days, 300 days, 305 days, 306 days, TOTALS, SOAP, AND 250 days, 294 days, 294 days, 294 days, 280 days, 294 days,	1 1 1 1 1 - 4 17 D GR	64 88 123 141 - 765 2,073	1 - 2 - 1 1 1 - 17	114 156 118 385 83 2,094
153 days, 165 days, 200 days, 222 days, 225 days, 230 days, 235 days, 240 days, 250 days, 250 days, 250 days, 250 days, 250 days, 250 days, 250 days,				1 1 1 2 1 2 - 1 2 -	118 41 - 320 231 - 14 236 DLES,	264 days,	1 1 1 1 1 - 4 17 D GR	- 64 88 123 141 - 765 2,073 EASE.	1 - 2 - 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1	114
153 days, 165 days, 200 days, 222 days, 225 days, 230 days, 240 days, 250 days, 253 days, 257 days,				1 1 1 - 2 1 - 1 2 CAN	118 41 - 320 231 - 14 236 - - DLES,	264 days, 278 days, 280 days, 282 days, 292 days, 295 days, 300 days, 305 days, 306 days, TOTALS, SOAP, AND 250 days, 294 days, 294 days, 294 days, 280 days, 294 days,	1 1 1 1 1 - 4 17 D GR	64 88 123 141 - 765 2,073	1 - 2 - 1 1 1 - 17	114 - 156 - 118 382 83

		10	390	18	391		14	890	18	391
DAYS II OPERATIO		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
305 days,		2	62	ſ-	-	312 days, .	1	121	1	6
306 days,		30	247	80	872	313 days, .	1	1	-	-
309 days,	•	-	-	1	1	314 days, .	1	6		
310 days,	•	8	71	1	10	Totals, .	55	688	55	635
			тов	ACCO	, SNUI	FF, AND C	IGARS	3.		
150 days,		_	_	1	11	291 days, .	1	102	1	12
205 days,		1	5	_	-	292 days, .	2	35	-	-
236 days,		1	42	-	-	294 days, .	-	-	1	18
249 days,		1	83	-	-	296 days, .	-	-	2	159
250 days,		1	2	2	50	297 days, .	1	47	1	29
255 days,	•	-	-	1	1	298 days, .	- 1) -	8	188
270 days,		1	14	-	-	299 days, .	1	37	-	-
276 days,	•	1	6	-	-	300 days, .	8	628	5	373
285 days,	•	ļ -	-	1	21	302 days, .	2	68	1	49
286 days,	•	1	68	1	7	303 days, .	-	-	1	146
287 days,	•	1	6	-	-	306 days, .	10	156	12	212
288 days,	•	1	6	-	-					
290 days,	•	1	20	2	117	Totals, .	85	1,275	35	1,388
			TOYS	AND	GAM	ES (CHILD	REN'S	3).		
260 days,		1	62	-	_	300 days, .	2	165	2	162
270 days,		-	-	1	70	305 days, .	2	53	-	-
285 days,		-	-	1	6	306 days, .	2	160	3	241
290 days, 295 days,	•	- 1	- 17	1	19	TOTALS, .	8	457	8	498
						101205,		10.		100
				TRUN	KS AN	D VALISE	s.	,a		
304 days,		1	6	1	5	307 days, .	1	25	_	_
305 days,		1	13	-	-	1				
306 days,	•	4	63	6	106	Totals, .	7	107	7	111
			WHI	PS, I	ASHES	s, and st	ocks.			
 200 days,		_		1	1	278 days, .	1	3	_	_

•		18	990	10	891			18	390	18	891
DAYS IN OPERATION	₹.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	۲.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Person Em- ployed
294 days,		1	22	-	-	304 days,		-	-	1	30
295 days,	•	-	-	1	6	306 days,	•	5	108	5	77
300 days,	•	8	162	8	207	808 days,	•	1	17	1	17
302 days,	٠	-	-	1	14	Totals,		15	418	15	419
				w	OODE	GOODS	•				
50 days,		1	1			272 days,		1	23		_
53 days,		_	_ [1	1	274 days,		1	10	_	_
· 60 days,		_	_	Ī	1	275 days,		4	38	2	25
64 days,		1	1	_]	276 days,		2	23		_
65 days,		1	1	1	1	279 days,		_	_	1	5
75 days,		2	2	1	ī	280 days,		5	101	8	72
80 days,		1	5	_	- [285 days,		1	28	1	14
145 days,		1	2	1	2	286 days,		-	_	1	20
153 days,		_	_	3	7	287 days,		2	18	1	18
156 days,		1	1	_	_	288 days,		1	25	_	_
157 days,		_	_	1	11	290 days,		6	161	5	140
169 days,		_	-	1	1	291 days,		_	-	1	12
175 days,		1	15	1	1	292 days,		1	12	2	16
179 days,		1	1	_	-	294 days,		1	58	1	16
180 days,		1	1	-	-	295 days,	• .	_	-	2	35
190 days,		1	2	2	22	296 days,		1	10	-	_
200 days,		3	46	5	54	297 days,		1	98	_	_
206 days,		-	-	1	84	299 days,		2	29	2	108
225 days,		1	8	-	-	300 days,		28	679	35	677
210 days,		_ 1	-	1	1	301 days,		-	-	1	95
235 days,		1	133	-	-	302 days,		2	58	_	_
240 days,		_	-	2	24	303 days,		-	-	2	113
243 days,		- 1	-	1	2	304 days,		1	16	2	32
245 days,		-	-	1	166	305 days,		1	9	5	36
246 days,		1	2	-	-	306 days,		56	887	42	948
247 days,		1	33	-	-	307 days,		1	17		-
248 days,		-	-	1	25	308 days,		8	160	1	65
250 days,		1	8	2	20	310 days,		1	1	1	9
254 days,		-	-	1	85	311 days,	•	-	-	2	71
260 days,		2	29	1	11	312 days,		1	80	-	-
265 days,		2	15	-	-	313 days,		1	31	1	10
267 days,		-	-	1	6						
270 days,		1	10	5	61	Totals,	•	149	2,888	149	3,012
			<u>'</u>	*****		N GOODS					

20 days,		1	13	-	-	147 days,	-	_	1	22
121 days,	•	1	4	-	-	175 days,	1	32	-	-
123 days,		1	7	-	-	181 days,	1	52	-	-

WOOLLEN GOODS - Concluded.

	1	590	18	891		14	390	18	391
DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
183 days,	. -	-	2	70	272 days, .	8	277	-	-
195 days, .	. -	- !	1	27	274 days, .	1	222	-	-
200 days, .	. 2	84	1	15	275 days, .	1	198	2	262
201 days, .	-	-	1	40	276 days, .	1	90	1	51
204 days, .	1	61	-	-	277 days, .	-	-	1	343
205 days, .	. 2	80	-	-	280 days, .	8	88	2	20
209 days, .	. 1	73	-	-	283 days, .	2	455	-	-
212 days,	. 1	5	-	-	285 days, .	1	35	1	50
217 days,	. 1	32	-	-	286 days, .	1	41	-	-
222 days,	. -	-	1	60	287 days, .	1	146	1	123
223 days,	. 1	8	-	-	288 days, .	2	128	-	-
224 days,	. 1	87	-	-	289 days, .	1	138	1	34
225 days,	. 1	63	-	-	290 days, .	-	-	4	751
226 days,	. _	-	1	41	291 days, .	-	-	2	146
228 days,	. 1	73	-	_	292 days, .	-	-	1	26
230 days,	. -	-	1	76	293 days, .	2	121	1	13
235 days,		_	1	51	294 days	5	537	2	67
	. 1	12	1	12	295 days, .	2	581	3	692
	. 1	24	-	_	296 days, .	1	44	1	37
040 1	. -	_	1	14	297 days, .	1	123	-	-
244 days,	1	14	1	18	298 days, .	1	33	-	l -
247 days,	_	_	1	84	299 days, .	1	407	_	-
250 days.	1 -	119	2	41	300 days, .	16	2,093	20	1,922
~~~ 1	.  -	_	1	71	301 days	2	443	2	351
253 days,	1 .	_	1	17	302 days, .	-	_	3	760
255 days,		_	1	85	303 days	8	378	7	655
257 days,		312	-	-	304 days, .	6	739	4	748
	1	18	_	_	305 days, .	6	865	4	294
000 1	2	41	1	119	306 days, .	87	4.817	37	4,768
263 days,	1 -	-	i	9	307 days, .	8	490	و ا	2,649
264 days,			i	75	308 days, .	2	222	-	
265 days,	`	15	1	"_	309 days, .	3	1,422	2	937
	i	11		[	310 days, .	1 -	246	1 2	616
000 3		224		[	220 000,000				
200 days, 270 days,	1 1	23	3	817	TOTALS, .	138	16,816	138	17,479
zio days,	.   .		"	011	I TOTALD, .	100	10,010	130	11,318

### WORSTED GOODS.

		1			1	1		1	1		
248 days,		1	18	-	-	304 days,		2	367	8	1,916
258 days,	. 1	1	23	-	-	305 days,		1	112	2	783
291 days,	.	1	148	-	- !	306 days,		10	6,014	7	1,605
296 days,	.	-	-	1	8	307 days,		1	127	2	2,567
300 days,	.	-	-	2	598	308 days,	•	2	424	2	296
801 days,		1	654	1	146	312 days,		1	76	-	-
802 days,		-	-	1	. 46	Totals,		21	7,963	21	7,965

### ALL INDUSTRIES.

		18	990	18	391			14	390	18	891
DAYS II OPERATIO		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	r.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
10 days,		1	1	_	_	135 days,		-	_	1	4
18 days,		1	1	1	1	136 days,		1	2	-	-
23 days,		1	1	-	-	137 days,		1	81	-	-
25 days,	•	-	-	1	1	140 days,		8	40	3	21
30 days,	•	1	1	2	2	143 days,	•	2	23	-	_
82 days,	٠	-	-	1	1	144 days,		2	131	-	-
38 days,	٠	-	-	1	11	145 days,		1	2	1	2
40 days,	•	2	20	-	-	146 days,	•	-	-	1	88
45 days,	•	1	1	1	7	147 days,		-	-	1	22
50 days,	•	2	2	1	1	149 days,	•	-	-	1	9
51 days,		-	- ]	1	15	150 days,		23	274	29	209
52 days,		1	1	1	1	151 days,		1	1	1	10
53 days,	•	-	-	1	1	152 days,		1	6	1	2
60 days,	•	2	3	1	1	153 days,		12	152	11	184
64 days,	•	2	2	-	-	154 days,		2	25	11	65
65 days,		2	6	1	1	155 days,		-	-	2	38
70 days,		1	91	1	34	156 days,		5	72	3	28
74 days,		1	3	-	-	157 days,		-	-	1	11
75 days,		4	5	8	5	159 days,		-	-	1	11
76 days,		1	1	2	157	160 days,		5	62	2	5
77 days,		1	1	-	-	161 days,		1	13	-	-
78 days,		-	-	8	3	162 days,		2	53	2	830
80 days,		1	5	8	2	163 days,	.	- 1	-	1	25
90 days,		2	14	4	28	165 days,		2	64	3	155
91 days,		1	1	-	-	166 days,		1	22	-	-
93 days,		1	40	-	-	168 days,		-	- 1	2	22
95 days,		1	25	_	-	169 days,		_	-	1	1
96 days,		1	2	1	1	172 days,		1	82	-	_
00 days,		9	58	9	30	174 days,	.	1	66	2	23
01 days,		1	1	-	-	175 days,		4	62	5	100
l02 days,		1	4	3	12	176 days,		-	- 1	2	135
l03 days,		-	-	1	6	178 days,	.	_	-	1	8
04 days,		2	7	8	11	179 days,		4	5	2	87
05 days,		_	_	1	4	180 days,		14	155	7	160
l06 days,		_	_	1	5	181 days,	.	1	52	1	18
108 days,		-	_	2	2	182 days,		2	28	4	75
10 days,		_	-	2	22	183 days,		- 1	_	1	362
13 days,		_	_	1	5	184 days,	.	1	9	1	5
15 days,		1	3	_	_	185 days,		2	28		_
17 days,		_	_	1	4	186 days,		-	-	1	24
20 days,		2	2	1	8	190 days,		2	5	. 6	71
21 days,		2	103	-	_	192 days,		1	11		
23 days,		1	7	1	ı	193 days,		2	11	_	_
125 days,		2	19	2	5	194 days,		ī	25	_	_
26 days,		2	44	2	7	195 days,		_		4	78
l30 days,	•	2	27	4	59	197 days,	٠,۱		1	- 1	

ALL INDUSTRIES - Continued.

		18	B9 <b>0</b>	18	<b>391</b>		14	890	10	<b>391</b>
DAYS 11 OPERATIO		Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
198 days.		1	10	1	8	246 days,	7	318	2	42
200 days,		40	696	49	612	247 days,	8	106	9	818
201 days,		-	_	2	41	248 days,	4	181	4	440
202 days,		1	4	1	26	249 days,	2	36	2	60
203 days,		1	82	1	. 9	250 days,	47	1,454	60	1,619
204 days,		8	195	5	25	251 days,		-	8	230
205 days,		7	182	8	18	252 days,	. 2	195	4	825
206 days,		2	25	8	45	258 days,	1	123	10	326
07 days,		1	8	1	4	254 days,	5	80	8	226
208 days,		8	299	5	18	255 days,	7	572	8	495
09 days,		2	118	-	-	256 days,	4	44	6	177
10 days,		2	11	4	69	257 days,	8	996	5	179
12 days,		1	5	1	16	258 days,	7	297	4	182
213 days,		2	23	1	44	259 days,	_	-	3	84
214 days,		2	12	2	28	260 days,	43	2,984	41	1,694
215 days,		8	83	4	118	261 days,	2	99	1	46
16 days,		1	8	-	-	262 days,	8	563	2	183
17 days,		1	32	2	103	263 days,	3	109	7	277
18 days,		2	180	_	_	264 days,	7	729	6	490
19 days,		1	20	-	_	265 days,	17	803	10	635
20 days,		6	820	9	188	266 days,	4	320	4	826
21 days,		1	7	_	_	267 days,	5	100	5	299
222 days.		1	85	2	140	268 days,	3	270	6	260
223 days,		1	8	-	_	269 days,	1	21	8	435
24 days,		2	42	2	40	270 days,	38	3,461	43	1,875
225 days,		16	857	12	574	271 days,	1	28	2	57
26 days,		8	22	2	55	272 days,	11	1,017	8	295
27 days,		-	_	4	135	273 days,	3	456	9	4,319
228 days,		6	240	6	656	274 days,	6	571	5	311
29 days,		7	571	8	104	275 days,	65	3,038	62	2,857
230 days,		8	459	16	1,033	276 days,	17	643	11	1,001
31 days,		2	96	6	95	277 days,	7	453	6	408
32 days,		1	55	4	113	278 days,	10	1,155	11	895
33 days,		1	20	2	48	279 days,	8	433	6	880
34 days,		7	94	7	98	280 days,	72	4,270	91	4,610
235 days,		5	433	5	198	281 days,	6	228	7	232
36 days,		5	161	2	56	282 days,	23	8,802	9	879
237 days,		2	80	1	46	283 days,	8	931	8	921
238 days,			_	2	84	284 days,	9	1,295	11	1,723
39 days,		6	129	7	91	285 days,	19	1,083	47	8,470
40 days,		82	1,842	26	987	286 days,	19	1,059	17	1,789
241 days,		2	64	_	_	287 days,	15	2,831	15	1,895
42 days,		2	62	_	-	288 days,	83	2,875	22	1,384
243 days,		_	_	6	171	289 days,	11	1,526	9	842
244 days,		5	106	5	243	290 days,	96	8,788	85	7,813
245 days,	٠	4	169	7	477	291 days,	14	1,899	14	1,169

### 210 STATISTICS OF MANUFACTURES. [Pub. Doc.

### PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Continued. DAYS IN OPERATION—1890, 1891—Continued.

ALL INDUSTRIES - Concluded.

	18	390	18	<b>391</b>	İ		18	390	14	<b>891</b>
DAYS IN	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed	DAYS IN OPERATION	т.	Estab- lish- ments	Persons Em- ployed	Estab- lish- ments	Persons Em- ployed
292 days,	31	3,690	18	1,817	309 days,		26	3,621	25	4,734
293 days,	17	3,176	10	863	310 days,		38	1,379	30	1,737
294 days,	39	3,853	35	4,425	311 days,		5	365	10	1,046
295 days,	38	4,535	51	5,338	312 days,		12 -	534	12	4,016
296 days,	26	3,176	25	2,238	313 days,		42	1,159	29	6,321
297 days,	24	5,297	10	906	314 days,		1	6	1	7
298 days,	35	7,140	26	3,197	315 days,		1	8	2	88
299 days,	18	2,425	23	4,213	316 days,		-	-	1	10
300 days,	554	37,504	564	32,513	317 days,		1	8	2	33
301 days,	37	5,632	29	4,241	322 days,		1	12	-	-
302 days,	45	9,157	44	4,063	336 days,		1	8	1	3
303 days,	44	6,311	58	9,345	337 days,		-	-	4	24
304 days,	78	11,659	86	14,596	350 days,		1	8	-	-
305 days,	124	13,558	117	15,928	360 days,		1	16	1	11
306 days,	1,368	84,511	1,308	89,288	365 days,		12	201	13	234
307 days,	44	9,127	69	19,692						ļ
308 days,	47	7,783	43	4,908	TOTALS,		3,745	287,900	3,745	292,866

### RECAPITULATION. DAYS IN OPERATION - 1890, 1891.

[In this recapitulation is shown the average number of days in operation, for each establishment in the industries represented, on the basis of establishments and also on the basis of persons employed. In previous reports the first mentioned basis was the only one used. It is evident, however, that, so far as employment is concerned, an average based upon persons employed is more indicative than one based upon the number of establishments, for, in the latter case, an establishment with a thousand employés would have no more influence in determining the average than an establishment employing but ten persons, therefore, the method based upon the number of persons employed has been adopted. For purposes of comparison, however, averages are here shown on both bases.]

	Vumber of	Average	NUMBER O	F DAYS IN C	PERATION
Industries.	Number of Estab- lishments Con-		Basis ishments		Basis Employed
	sidered	1890	1891	1890	1891
Agricultural implements,	11	267.91	256.09	293.25	285.21
Arms and ammunition,	12	301.00	299.50	300.38	299.18
Artisans' tools,	56	296.29	284.39	294.10	297.04
Awnings, sails, tents, etc.,	30	269.17	253.78	289.97	284.32
Boots and shoes,	567	284.80	284.65	288.72	288.84
Boxes (paper and wooden),	141	287.64	279.48	294.17	291.15
Brick, tiles, and sewer pipe,	45	208.40	204.31	227.77	226.08
Brooms, brushes, and mops,	21	289.67	277.52	301.99	800.64
Burial cases, caskets, coffins, etc., .	6	306.17	305.50	305.78	306.05
Buttons and dress trimmings,	17	299.53	295.82	300.28	299.46
Carpetings,	12	281.50	299.42	297.23	801.42
Carriages and wagons,	96	296.41	287.24	298.17	294.50
Cement, kaolin, lime, and plaster, .	. 4	302.25	293.00	304.56	300.34
Chemical preparations (compounded),	9	265.89	267.56	302.39	288.50
Clocks, watches, and jewelry,	77	287.31	279.83	287.93	282.19
Clothing,	113	288.84	288.44	296.95	294.54
Cooking, lighting, and heating apparatus,	81	274.68	270.74	274.39	279.06
Cordage and twine,	25	284.24	293.00	287.83	294.09
Corks, bungs, and taps,	4	304.25	296.50	303.64	297.02
Cotton goods.	157	292.29	295.57	299.05	304.16
Cotton, woollen, and other textiles,	3	283.00	308.67	301.88	812.40
Crayons, pencils, crucibles, etc.,	4	305.25	300.25	303.73	298.35
Drugs and medicines,	19	299.05	297.95	302.48	302.10
Dyestuffs,	7	299.00	293.29	283.37	277.52
Earthen, plaster, and stone ware,	4	297.75	268.00	295.57	256.52
Electrical apparatus and appliances,	ا ـ ا	305.20	305.60	302.24	305.96
Electroplating,	10	292.10	299.00	280.35	294.68
Emery and sand paper and cloth, etc.,	13	286.38	300.69	293.08	303.35
Fancy articles,	6	291.67	300.17	294.43	299.32
		281.57	279.29	271.26	263.13
Fine arts and taxidermy,		306.00	306.00	306.00	306.00
Fireworks and matches,		283.33	290.33	277.23	292.08
Flax, hemp, jute, and linen goods,	1 .	296.25	298.13	302.10	301.35
Food preparations,	004	294.36	290.77	295.56	301.57
	100	290.59	290.92	298.34	298.17
	10	297.60	285.00	278.94	284.48
G. 1000)	1	247.29	244.36	275.03	241.60
Glue, isinglass, and starch,		MI MO	221.00	2.0.00	

RECAPITULATION. DAYS IN OPERATION-1890, 1891 - Concluded.

	Number of	AVERAGE	NUMBER O	F DAYS IN (	PERATION
Industries.	Estab- lishments Con-		e Basis lishments	On the	Basis Employed
	sidered	1890	1891	1890	1891
Hair work (animal and human),	10	284.00	274.40	291.44	297.29
Hose: rubber, linen, etc.,	5	260.20	258.80	286.08	298.74
Hosiery and knit goods,	40	260.25	261.35	297.53	300.17
Ink, mucilage, and paste,	8	287.00	286.13	302.45	301.40
Ivory, bone, shell, and horn goods, etc., .	13	298.54	300.85	299.16	299.17
Leather,	154	292.23	284.86	294.08	289.46
Liquors and beverages (not spirituous), .	12	284.50	300.58	295.93	304.89
Liquors: malt, distilled, and fermented,	49	231.49	245.73	297.17	303.68
Lumber,	25	289.40	283.96	290.31	278.78
Machines and machinery,	263	301.65	299.48	304.22	303.22
Metals and metallic goods,	277	292.50	292.33	296.99	297.73
Mixed textiles,	13	293.92	289.23	293.15	289.98
Models and patterns,	5	305.80	306.00	305.93	306.00
Musical instruments and materials,	46	298.35	290.57	296.43	298.09
Oils and illuminating fluids,	9	303.33	305.56	306.28	306.11
Paints, colors, and crude chemicals, .	. 16	286.25	288.56	295.69	298.11
Paper and paper goods,	102	288.96	290.19	296.91	299.60
Perfumes, toilet articles, etc.,	4	303.00	304.50	304.46	305.17
Photographs and photographic materials,	11	305.91	304.09	306.15	304.73
Polishes and dressing,	18	295.83	803.22	301.71	301.72
Printing, publishing, and bookbinding, .	24	801.25	302.63	301.40	<b>3</b> 03.64
Print works, dye works, and bleacheries,	37	293.70	289.24	296.93	294.92
Railroad construction and equipment, .	14	301.57	295.71	303.06	296.93
Rubber and elastic goods,	30	288.07	276.37	282.76	275.62
Scientific instruments and appliances, .	11	800.00	296.18	301.74	302.45
Shipbuilding,	42	267.19	261.60	297.54	294.52
Silk and silk goods,	9	300.44	298.11	298.93	296.06
Sporting and athletic goods,	9	275.78	296.89	294.90	302.16
Stone,	111	276.75	274.92	288.64	289.92
Straw and palm leaf goods,	17	260.18	246.00	267.51	252.17
Fallow, candles, soap, and grease,	55	294.15	292.64	304.91	302.80
Tobacco, snuff, and cigars,	35	290.63	291.46	294.42	296.21
Toys and games (children's),	8	297.13	295.38	297.07	298.12
Trunks and valises,	7	305.71	305.71	306.00	305.91
Whips, lashes, and stocks,	15	287.80	291.27	294.80	296.46
Wooden goods,	149	280.09	277.05	292.17	290.29
Woollen goods,	138	282.51	288.84	293.48	298.42
Worsted goods,	21	300.29	304.43	305.11	305.24
ALL INDUSTRIES,	3,745	287.37	285.67	295.44	296.71

### COMBINED RECAPITULATION. PERCENTAGES, AND DAYS IN OPERATION — 1890, 1891.

[In this recapitulation, the average percentages of proportion of business done (pages 180 and 181) and the average number of days in operation (pages 211 and 212) are brought forward for comparison. The average number of days in operation is based upon persons employed as explained in the head-note on page 211.]

	Number of		AVE	RAGES	
INDUSTRIES.	Estab- lishments Con-	Perce	ntages	Days in (	Operation
	sidered	1890	1891	1890	1891
Agricultural implements,	11	60.86	56.78	298.25	285.21
Arms and ammunition,	12	63.33	68.17	300.38	299.18
Artisans' tools,	56	68.73	66.43	294.10	297.04
Awnings, sails, tents, etc.,	30	50.37	48.67	289.97	284.32
Boots and shoes,	567	70.21	66.06	288.72	288.84
Boxes (paper and wooden),	141	69.39	67.22	294.17	291.15
Brick, tiles, and sewer pipe,	45	77.09	81.98	227.77	226.08
Brooms, brushes, and mops,	21	61.57	64.43	301.99	800.64
Burial cases, caskets, coffins, etc.,		78.33	85.00	305.78	306.Q5
Buttons and dress trimmings,		61.65	64.29	300.28	299.46
Carpetings,	1 1	78.25	80.83	297.23	301.42
Carriages and wagons,	96	70.06	67.50	298.17	294.50
Cement, kaolin, lime, and plaster,	4	76.50	78.50	804.56	300.84
Chemical preparations (compounded),	9	60.00	63.00	802.39	288.50
Clocks, watches, and jewelry,	77	66.30	63.90	287.93	282.19
Clothing.	118	75.51	72.88	296.95	294.54
Cooking, lighting, and heating apparatus,		70.16	72.55	274.89	279.06
a	0.5	73.20	75.96	287.83	294.09
		67.50	65.00	303.64	297.02
Corks, bungs, and taps,	157	91.23	91.97	299.05	304.16
2 1 1 1 1 1 1 1 1 1		67.33	61.67	301.88	312.40
•	1 . 1	78.75	71.50	303.73	298.35
Crayons, pencils, crucibles, etc.,  Drugs and medicines,	19	57.37	60.26	302.48	302.10
	7	69.00	63.00	283.37	277.52
Dyestuffa,	4	88.75	87.50	295.57	256.52
Earthen, plaster, and stone ware,	5	77.00	71.40	302.24	305.96
Electrical apparatus and appliances,	10	55.50	57.70	280.35	294.68
Electroplating,		72.69	78.08	293.08	303.35
Emery and sand paper and cloth, etc.,	13	77.33		294.43	299.32
Fancy articles,	6 7	65.71	74.67 65.00	271.26	263.13
Fertilizers,		100.00	85.00	306.00	306.00
Fine arts and taxidermy,	1 - 1	71.67	70.00	277.23	292.08
Fireworks and matches,				302.10	301.35
Flax, hemp, jute, and linen goods,	1	85.13	84.00	295.56	301.57
Food preparations,	264	62.00	62.43	298.34	298.17
Furniture,	ا مد ا	68.02	66.33	278.94	284.48
Glass,		67.60	63.80		241.60
Glue, isinglass, and starch,	1 1	75.36	82.00	275.03	297.29
Hair work (animal and human),	· i I	59.30	62.80	291.44	297.29
• • •	5	54.40	68.00	286.08	
Hosiery and knit goods,	. 40	62.63	63.15	297.58	300.17

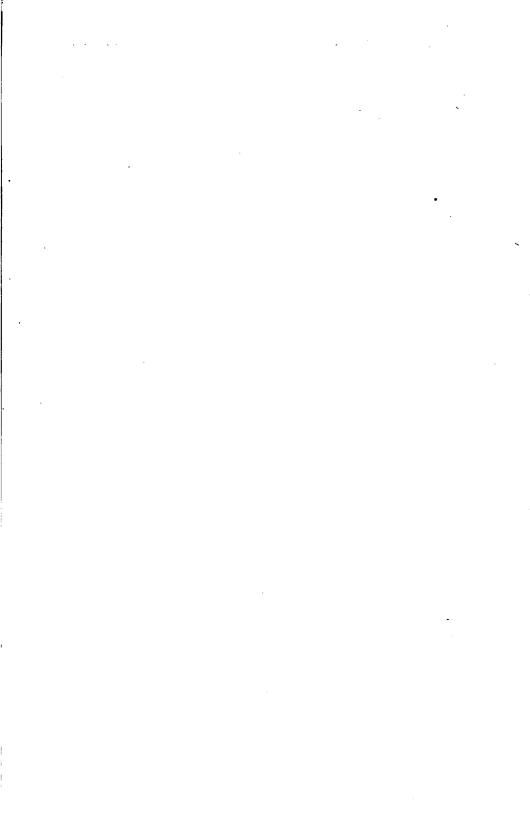
### 214 STATISTICS OF MANUFACTURES. [P. D. No. 36.

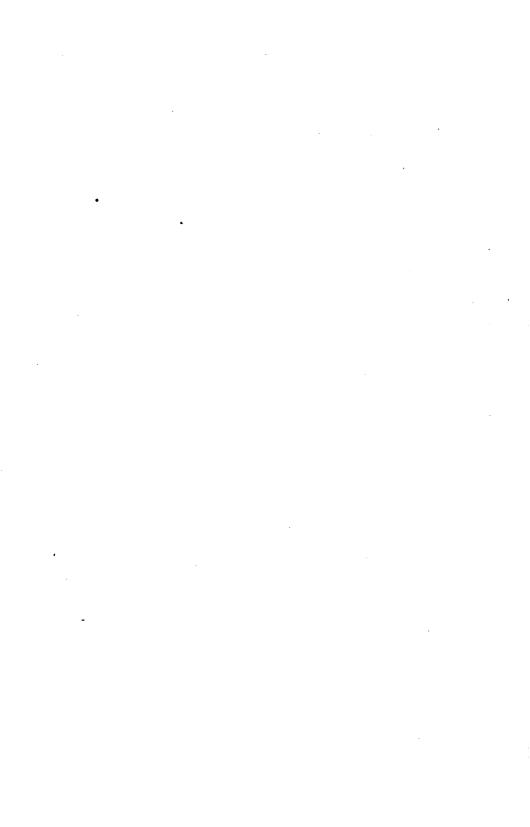
PROPORTION OF BUSINESS DONE: BY INDUSTRIES—Concluded.

DAYS IN OPERATION—1890, 1891—Concluded.

COMBINED RECAPITULATION. PERCENTAGES, AND DAYS IN OPERATION—1890, 1891—Concluded.

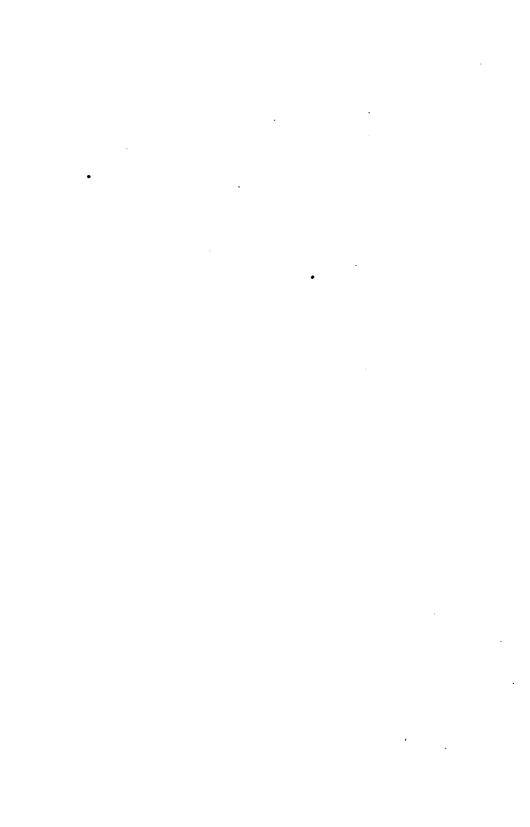
	Number of	AVERAGES					
Industries.	Estab- lishments	Perce	ntages	Days in (	Operation		
•	Con- sidered	1890	1891	1890	1891		
Ink, mucilage, and paste,	8	53.75	51.50	302.45	301.40		
Ivory, bone, shell, and horn goods, etc., .	18	76.77	78.62	299.16	299.17		
Leather,	154	70.71	64.42	294.08	289.40		
Liquors and beverages (not spirituous), .	12	64.17	65.83	295.93	304.8		
Liquors: malt, distilled, and fermented,	49	53.82	61.55	297.17	303.68		
Lumber,	25	73.88	76.00	290.31	278.78		
Machines and machinery,	263	69.27	67.54	304.22	303.2		
Metals and metallic goods,	277	69.26	70.60	296.99	297.7		
Mixed textiles,	13	82.08	86.92	293.15	289.9		
Models and patterns,	5	73.00	75.60	305.93	306.0		
Musical instruments and materials,	46	74.76	72.33	296.43	298.0		
Oils and illuminating fluids,	9	70.56	62.11	306.28	306.1		
Paints, colors, and crude chemicals,	16	61.69	61.69	295.69	298.1		
Paper and paper goods	102	84.00	84.62	296.91	299.6		
Perfumes, toilet articles, etc.,	4	86.25	88.75	304.46	305.1		
Photographs and photographic materials,	11	84.55	74.09	306.15	804.7		
Polishes and dressing.	18	71.17	70.06	301.71	301.7		
Printing, publishing, and bookbinding, .	24	74.18	70.29	301.40	303.6		
Print works, dve works, and bleacheries,	37	73.46	69.49	296.93	294.9		
Railroad construction and equipment, .	14	87.00	87.29	303.06	296.9		
Rubber and elastic goods,	30	73.20	68.77	282.76	275.6		
Scientific instruments and appliances	11	71.86	70.00	301.74	302.4		
Shipbuilding	42	50.90	54.12	297.54	294.5		
Silk and silk goods	9	78.44	80.56	298.93	296.0		
Sporting and athletic goods,	9	59.89	58.33	294.90	302.1		
Stone	111	61.06	62.47	288.64	289.9		
Straw and palm leaf goods,	17	67.88	72.24	267.51	252.1		
Tallow, candles, soap, and grease,	55	70.47	64.35	304.91	302.8		
Tobacco, snuff, and cigars,	35	64.60	70.00	294.42	296.2		
Toys and games (children's),	8	70.88	77.13	297.07	298.1		
Trunks and valises	7	75.00	81.43	306.00	305.9		
Whips, lashes, and stocks,	15	71.47	77.47	294.80	296.4		
Wooden goods,	149	64.58	61.58	292.17	290.2		
Woollen goods,	138	82.61	84.38	293.48	298.4		
Worsted goods,	21	88.24	88.29	305.11	305.2		
All Industries,	3,745	70.27	69.27	295.44	296.7		





# ANALYSIS.

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### ANALYSIS.

The Annual Statistics of Manufactures present statistical comparisons for the principal establishments in the leading industries making consecutive yearly returns. These returns it will be understood are, in each year compared, secured from the same establishments, and are made upon the same basis in each year. Such comparisons, therefore, more accurately show the trend of business from year to year, and indicate the condition of the different industries more definitely than would be possible if based upon returns from different establishments in each year compared, or confined to certain selected years or arbitrarily fixed periods, as is necessarily the case in comparisons drawn from the census. On the other hand, these yearly reports do not present aggregates for the entire industries considered. Such aggregates can only be obtained from the census. But we have clearly shown in previous years, supporting our contention by data drawn from the census, that so far as portraying the conditions surrounding production and exhibiting the condition of the different industries, these annual comparisons, covering a large percentage of the output and including the leading industrial establishments, are typical, and may be accepted as trustworthy.

It should be borne in mind however that, throughout this report, wherever "All Industries" are mentioned, the industries enumerated in the first table are referred to; and wherever aggregates for All Industries of capital invested, stock used, goods made, persons employed, or wages paid are referred to, only the aggregates derived from the returns of the 3,745 leading establishments, which made returns for each of the years 1890 and 1891, and for which it is possible to make comparisons, should be understood, unless some other meaning is distinctly stated in the text.

### PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS: BY INDUSTRIES.

PRIVATE FIRMS AND CORPORATIONS.

Statistical presentations relating to private firms and corporations and partners and stockholders are given upon pages 4 to 15. There are 3,745 establishments considered, each of which made returns for the years 1890 and 1891. These establishments, in 1890, comprised 2,987 private firms and 730 corporations; in 1891 they were managed by 2,952 private firms and 762 corporations. It is necessary to repeat here the information contained in the head-note to the tables on pages 4, 5, 8, and 9, namely, that there are duplications in the columns devoted to the number of private firms and the number of cor-They are caused by the fact that the same firm or porations. corporation is found engaged in manufacturing in two or more establishments located in different towns and sometimes in dif-This condition of affairs is largely due to the ferent industries. absorption of private firms by corporations that is constantly taking place, the establishments thus absorbed being, in many cases, located in different towns. In the tables, each establishment, whether managed in connection with another or not, has been considered one establishment and the whole number of private firms and corporations has been credited to each industry; but they are counted once only in making up the total for All Industries.

In order to bring directly before the eye of the reader the effect in the aggregate of the change from private firms to corporations in 1891 as compared with 1890 the following table is presented:

PRIVATE FIR		en Con	DOD 4 7	ONB		Num	BER	PRECENTAGES		
PRIVATE FIR	AS A					1890	1891	1890	1891	
Private firms,						2,987	2,952	80.36	79.48	
Corporations,	•	•	•	•	.	730	762	19.64	20.52	
Totals,					.	3,717	3,714	100.00	100.00	

The numerical effect of the change has just been noted. Upon the basis of percentages, the private firms in 1890 represented 80.36 per cent of all the establishments considered and the corporations 19.64 per cent. In 1891 the private firms represented 79.48 per cent and the corporations 20.52 per cent. The percentages of decrease and increase are quite small, but they exhibit the tendency to change from the private firm to the corporate basis which has been noted from year to year and which still continues.

The duplications in private firms and corporations are shown in the following table:

•									NUMBER OF ES	TABLISHMENT
PR	IVATI	FIRM	8 AND	Corpo	BATION	8.			1890	1891
Private firms, Corporations,					•				8	10
Corporations,	•	•	•	•	•	•	•	•	20	21 -
Totals,							•		28	31

From the above table it appears that in the statistical presentations relating to establishments 28 duplications occur in 1890 and 31 in 1891. These duplications refer to the same concerns in each year. The excess in 1891 of three duplications over the number shown in 1890 indicates a change in the management of old establishments by which certain firms increased the number of establishments carried on by them in 1891 over the number which they controlled in 1890.

It should be understood, however, that only the number of establishments, and partners and stockholders are affected by these duplications. The statistical returns concerning stock used, goods made, persons employed, and wages paid, are made separately by the manufacturers for each establishment and are credited to the city, town, or industry to which they properly belong.

#### PARTNERS AND STOCKHOLDERS.

Partners and stockholders are in some cases duplicated for the reason that the same body of partners and stockholders is sometimes connected with two or more establishments in the same or in different cities and towns; and, therefore, under the plan of classification adopted by this office, it has been deemed expedient to credit the whole body of partners and stockholders to each industry but to count them once only in making up the total for All Industries.

The duplications in partners and stockholders are shown in the following table:

	P	1890	1891							
Males,							•		902	915
Females,								. 1	636	6 <b>2</b> 6
Banks, tr			•	•	•	•	•		480	530
To	TALS,								2,018	2,071

The number of general partners, the number of special partners, and the number of estates, etc., concerned in the management of the private firms represented in 1890 and 1891 are shown in the following table with percentages:

Part	MPDA			1	Num	BER	Percentages		
					1890	1891	1890	1891	
General partners,					4,843	4,770	98.66	98.88	
Special partners,				.	57	45	1.16	0.93	
Estates, etc.,	•	•	•	•	9	9	0.18	0.19	
TOTALS, .					4,909	4,824	100.00	100.00	

The percentages for each class of partners represented do not materially differ in either year. Of the whole body, 98.66 per cent in 1890 and 98.88 per cent in 1891 were general partners, actively and directly engaged in administering the affairs of the firms with which they were connected.

A classification of partners by sex, together with the number of estates is shown in the following table for each year with percentages:

		PART	Vene		Num	BER	Percentages		
		1 481	N.E.O.			1890	1891	1890	1891
Males,						4,775	4,693	97.27	97.28
Females,						125	122	2.55	2.53
Estates, et	c.,	•	•	•	•	9	9	0.18	0.19
To	TALS,					4,909	4,824	100.00	100.00

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No material change is noted in 1891 as compared with 1890 in the distribution of partners by sex. Less than one per cent of the whole body consists of estates and less than three per cent are females.

A classification of stockholders by sex appears in the following presentation:

9-6			_			Nux	IBER	Percentages	
	CKHOL	DER	s.			1890	1891	1890	1891
Males, .						21,517	22,487	60.74	59.76
Females, .						10,618	11,479	29.97	30.51
Banks, trustees,	etc.,	•	•	•	•	3,290	3,661	9.29	9.73
TOTALS,						35,425	37,627	100.00	100.00

A very slight increase appears in the foregoing table in the number of females represented among the stockholders, the percentage of the whole body in 1890 being 29.97 and the percentage in 1891 being 30.51. The number of banks, trustees, etc., constitutes about the same percentage of the total body of stockholders in each year, these percentages being 9.29 in 1890 and 9.73 in 1891. Male stockholders constitute 60.74 per cent of the whole body in 1890 and 59.76 per cent in 1891.

In the following table partners and stockholders are consolidated for the purpose of contrasting the relative positions of the sexes controlling the aggregate number of establishments represented in the returns:

Partners A	oce	UAT D#1		Nux	BER	Percentages			
						1890	1891	1890	1891
Males, .						26,292	27,180	65.19	64.03
Females, .			•			10,743	11,601	26.64	27.33
Banks, trustees,	etc.,	•	•	•	•	3,299	3,670	8.17	8.64
Totals,						40,334	42,451	100.00	100.00

The total number of partners and stockholders represented in the foregoing table is 40,334 in 1890 and 42,451 in 1891, a numerical increase of 2,117; but the proportions of the sexes represented remain practically the same in each year, a very slight percentage of increase appearing in the number of females represented.

The aggregate number of partners and stockholders, without regard to sex, is next brought forward with percentages:

Partners.	AWD	STACK	ושת זהנ	•a		Num	(BER	Percentages		
	ASD	orock.	I CLDE			1890	1891	1890	1891	
Partners, .		•				4,909	4,824	12.17	11.36	
Stockholders,	•	•	•	•	•	35,425	37,627	87.83	88.64	
TOTALS,	•	•	•		•	40,334	42,451	100.00	100.00	

From the above presentation it appears that the partners represent 12.17 per cent of the entire body of partners and stockholders in control of the establishments in 1890 and 11.36 per cent in 1891. In 1890, 87.83 per cent of the entire number of persons managing these establishments were stockholders in corporations; in 1891 this percentage had become 88.64, a very slight increase, but again exhibiting the tendency previously alluded to of change in the management of productive enterprises from the private firm to the corporate basis.

In the following table the corporations are classified ranging from those having 49 stockholders or less to those having 500 or more:

CLASSIFICATION OF	9=0	nwuor n			Ncm	BER	Percentages		
CHARGIFICATION OF SITURNOLUBBO.					1890	1891	1890	1891	
Under 50,					6,628	7,137	18.71	18.97	
50 but under 100,					5,085	4,972	14.35	13.21	
100 but under 150.					2,384	2,249	6.73	5.98	
150 but under 200.					2,248	2,192	6.35	5.83	
200 but under 250.					2,021	2,242	5.71	5.96	
250 but under 300,					2,634	3,193	7.44	8.49	
300 but under 350,					943	942	2.66	2.50	
350 but under 400,					2,948	3,350	8.32	8.90	
400 but under 450,					3,816	3,443	10.77	9.15	
450 but under 500,					471	950	1.33	2.52	
500 and over.					6,232	6,942	17.59	18.45	
Railroad corporation	ıs,			. `	10	10	0.03	0.03	
Syndicates,	٠	•	•	•	5	5	0.01	0.01	
TOTALS, .					35,425	37,627	100.00	100.00	

This presentation permits a comparison as to the relative number of stockholders represented in the different corporations. In 1890, 18.71 per cent of the total number were stockholders who were in corporations having 49 stockholders or less. In 1891, practically the same proportion continued, the percentage being 18.97. About the same proportion of the total number were in corporations each having 500 or more stockholders, the percentage of the total number in 1890 being 17.59 and in 1891, 18.45. Together, these two classes of corporations comprised in each year slightly more than one-third of the total number of stockholders.

A more condensed classification is presented in the following table:

CLASSIFICATION OF STO	· FUOT D		Num	BER	PERCENTAGES		
CLASSIFICATION OF STOR	- A.O.		1890	1891	1890	1891	
Under 100, ,				11,713	12,109	33.06	32.18
100 but under 300, .				9,287	9,876	26.22	26.25
300 and over.				14,410	15,627	40.68	41.58
Railroad corporations,				10	10	0.03	0.08
Syndicates,	•	•	•	5	5	0.01	0.01
Totals,				35,425	37,627	100.00	100.00

From this table it appears that corporations containing less than 100 stockholders each, comprised, in 1890, about one-third of the total number of stockholders, the percentage of the total number being 33.06. In 1891 corporations of this class contained 32.18 per cent of the total number of stockholders. A somewhat smaller percentage of the total number, practically the same in each year, being 26.22 in 1890 and 26.25 in 1891, were in corporations containing 100 stockholders but less than 300. On the other hand, corporations containing 300 stockholders and over, which of course indicates a comparatively wide diffusion of stock, comprised 40.68 per cent of the total number of stockholders in 1890 and 41.53 per cent in 1891.

The following presentation shows the effect of the change from private firm to corporation upon partners in the aggregate:

	C	BIFICA	Number						
	 CLAS							. 1890	1891
Private firms, Partners, Average numbe	; part	ners	to a	priv	ate fir	m,		2,987 4,909 1.64	2,952 4,824 1.63
Corporations, Stockholders, Average numbe			ders		: corpo	ratio	n,.	730 35,425 48.53	762 37,627 49.38

The average number of partners to a private firm was practically the same in each year, being 1.64 in 1890 and 1.63 in 1891. The average number of stockholders to a corporation shows a very slight increase, from 48.53 in 1890 to 49.38 in 1891.

The following summary condenses returns relative to private firms, corporations, partners, and stockholders for 1891:

Out of 3,745 establishments in 75 industries 2,952, or 79.48 per cent, are private firms, and 762, or 20.52 per cent, are corporations. Private firms and corporations are managed by 42,451 persons of whom 4,824, or 11.36 per cent, are partners and 37,627, or 88.64 per cent, are stockholders. Of the partners, 97.28 per cent are males, 2.53 per cent are females, and 0.19 per cent are estates, etc. Of stockholders, on the

other hand, 59.76 per cent are males, 30.51 per cent are females, and 9.73 per cent are banks, trustees, etc. Of the whole number of persons managing the business of the establishments represented, 64.03 per cent are males, 27.33 per cent are females, and 8.64 per cent banks, trustees, etc. The average number of partners to a private firm is 1.63 and the average number of stockholders to a corporation is 49.38.

### CAPITAL INVESTED: BY INDUSTRIES.

The presentation relative to the capital invested in the different industries, and to All Industries in the aggregate, appears on pages 18 to 21. The first table, pages 18 and 19, presents the amount of capital invested in the establishments making returns in 1890 and 1891 with amounts of increase or decrease and percentages. The following industries, 47 in number, show an increase in capital in 1891 as compared with 1890:

Artisans' Tools. Awnings, Sails, Tents, etc. Boxes (Paper and Wooden). Brick, Tiles, and Sewer Pipe. Brooms, Brushes, and Mops. Burial Cases, Caskets, Coffins, etc. Buttons and Dress Trimmings. Cement, Kaolin, Lime, and Plaster. Chemical Preparations (Compound-Clocks, Watches, and Jewelry. Clothing. Cordage and Twine. Corks, Bungs, and Taps. Cotton Goods. Crayons, Pencils, Crucibles, etc. Drugs and Medicines. Fireworks and Matches. Flax, Hemp, Jute, and Linen Goods. Food Preparations. Glass. Hose: Rubber, Linen, etc. Hosiery and Knit Goods. Ink, Mucilage, and Paste. Ivory, Bone, Shell, and Horn Goods, Liquors and Beverages (Not Spirit-

uous).

Liquors: Malt, Distilled, and Fermented. Lumber. Machines and Machinery. Metals and Metallic Goods. Mixed Textiles. Models and Patterns. Musical Instruments and Materials. Oils and Illuminating Fluids. Paints, Colors, and Crude Chemicals. Paper and Paper Goods. Perfumes, Toilet Articles, etc. Printing, Publishing, and Bookbind-Railroad Construction and Equip-Rubber and Elastic Goods. Scientific Instruments and Appliances. Sporting and Athletic Goods. Tallow, Candles, Soap, and Grease. Tobacco, Snuff, and Cigars. Toys and Games (Children's). Trunks and Valises. Whips, Lashes, and Stocks. Wooden Goods.

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The following industries, 26 in number, exhibit a decrease in capital invested in 1891 as compared with 1890:

Agricultural Implements.
Arms and Ammunition.
Boots and Shoes.
Carpetings.
Carriages and Wagons.
Cooking, Lighting, and Heating Apparatus.
Dyestuffs.
Earthen, Plaster, and Stone Ware.
Electrical Apparatus and Appliances.
Emery and Sand Paper and Cloth, etc.
Fancy Articles.
Fertilizers.
Fine Arts and Taxidermy.

Furniture.
Glue, Isinglass, and Starch.
Hair Work (Animal and Human).
Leather.
Photographs and Photographic Materials.
Polishes and Dressing.
Print Works, Dye Works, and Bleacheries.
Shipbuilding.
Silk and Silk Goods.
Stone.
Straw and Palm Leaf Goods.
Woollen Goods.
Worsted Goods.

In two industries, namely, Cotton, Woollen, and Other Textiles and Electroplating, no change in capital invested is reported.

In the 3,745 establishments compared an aggregate increase in capitalization appears. This increase is, however, very slight, amounting to \$9,932,490, or 2.34 per cent. creases in capital, where they appear, are also very slight, exceeding three per cent in only nine industries, namely: Agricultural Implements; Earthen, Plaster, and Stone Ware; Fine Arts and Taxidermy; Furniture; Leather; Polishes and Dressing; Print Works, Dye Works, and Bleacheries; Silk and Silk Goods; and Straw and Palm Leaf Goods. other hand, an increase in capital greater than three per cent appears in Boxes (Paper and Wooden); Brick, Tiles, and Sewer Pipe; Burial Cases, Caskets, Coffins, etc.; Buttons and Dress Trimmings; Cement, Kaolin, Lime, and Plaster; Clocks, Watches, and Jewelry; Cordage and Twine; Corks, Bunks, and Taps; Crayons, Pencils, Crucibles, etc.; Drugs and Medicines; Fireworks and Matches; Flax, Hemp, Jute, and Linen Goods; Food Preparations; Glass; Ivory, Bone, Shell, and Horn Goods, etc.; Liquors and Beverages (Not Spirituous); Liquors: Malt, Distilled, and Fermented; Lumber; Machines and Machinery; Metals and Metallic Goods; Mixed Textiles; Models and Patterns; Musical Instruments and Materials; . Railroad Construction and Equipment; Rubber and Elastic Goods; Scientific Instruments and Appliances; Sporting and Athletic Goods; Tallow, Candles, Soap, and Grease; Tobacco, Snuff, and Cigars. Of these industries, those showing an increase greater than five per cent are the following: Burial Cases, Caskets, Coffins, etc.; Cement, Kaolin, Lime, and Plaster; Corks, Bungs, and Taps; Crayons, Pencils, Crucibles, etc.; Drugs and Medicines; Fireworks and Matches; Flax, Hemp, Jute, and Linen Goods; Food Preparations; Glass; Ivory, Bone, Shell, and Horn Goods, etc.; Liquors and Beverages (Not Spirituous); Lumber; Machines and Machinery; Metals and Metallic Goods; Models and Patterns; Musical Instruments and Materials; Rubber and Elastic Goods; Scientific Instruments and Appliances; Sporting and Athletic Goods; and Tobacco, Snuff, and Cigars.

For the purpose of bringing the changes in capital invested in the more important industries directly before the reader, the following condensation is useful. The industries specified by name in this presentation are the principal industries of the State.

Industrie	Industries.				Number of Estab- lishments		NT OF INVESTED	Increase (+). Or Decrease (-), in 1891		
INDUSTRIBO.			Con- sidered	1890	1891	Amounts	Percent- ages			
Boots and shoes, .					567	<b>\$27,790,899</b>	<b>\$27,507,3</b> 15	\$283,584	-1.02	
Carpetings,					12	7,905,635	7,687,708	-217,927	-2.76	
Cotton goods,					157	114,947,374	117,933,102	+2,985,728	+2.60	
Leather,					154	9,039,011	8,212,735	826,276	-9.14	
Machines and machin	ery	,			263	24,537,451	26,627,625	+2,090,174	+8.52	
Metals and metallic g	000	ls,			277	23,617,954	25,805,602	+2,187,648	+9.26	
Musical instruments a	nd	ma	teris	ıls,	46	4,440,484	4,683,783	+243,299	+5.48	
Paper and paper good	is,				102	22,120,916	22,556,155	+435,239	+1.97	
Woollen goods, .					138	28,271,436	27,835,204	-436,232	-1.54	
Worsted goods, .					21	10,912,129	10,782,298	-129,831	-1.19	
Other industries, .			•	•	2,008	151,140,523	<b>155,024,7</b> 75	+3,884,252	+2.57	
ALL INDUSTRIES	, ,				3,745	\$424,723,812	\$434,656,302	+\$9,932,490	+2.34	

Of the ten industries mentioned in detail in the above table, Cotton Goods, Machines and Machinery, Metals and Metallic Goods, Musical Instruments and Materials, and Paper and Paper Goods show increases in capital invested in 1891 as com-

pared with 1890. The increase in Cotton Goods is but slightly greater than the average for All Industries, being 2.60 per cent. In Machines and Machinery and Metals and Metallic Goods the increases are 8.52 per cent and 9.26 per cent, respectively. Musical Instruments and Materials shows an increase of 5.48 In Paper and Paper Goods only a slight increase per cent. appears, namely, 1.97 per cent, while a decrease in capital appears in Boots and Shoes, Carpetings, Leather, Woollen Goods, and Worsted Goods. The decrease is very slight except in Leather, where it amounts to 9.14 per cent. the other industries mentioned the decrease does not exceed three per cent and does not amount to two per cent except in Carpetings, where a decrease of 2.76 per cent appears. capital invested in the ten selected industries mentioned in this table constitutes 64.41 per cent of the total capital returned in 1890 and 64.33 per cent of the total capital returned in 1891.

In the second statistical presentation relating to capital invested, pages 20 and 21, a comparison appears of capital invested in the same establishments in the different industries considered for the years 1885 and 1890. This is a period of five years, the first being the year of the Decennial Census. The industries represented in this table are the same as those shown in the table just considered. The number of establishments making returns in both 1885 and 1890 and, therefore, entering into the comparison, is 3,817 for All Industries instead of 3,745, the number for which comparison was made for the years 1890 and 1891. The following industries show a decrease in 1890 as compared with 1885: Agricultural Implements; Artisans' Tools; Brick, Tiles, and Sewer Pipe; Buttons and Dress Trimmings; Chemical Preparations (Compounded); Cooking, Lighting, and Heating Apparatus; Corks, Bungs, and Taps; Cotton Goods; Cotton, Woollen, and Other Textiles; Crayons, Pencils, Crucibles, etc.; Electroplating; Emery and Sand Paper and Cloth, etc.; Fertilizers; Fireworks and Matches; Flax, Hemp, Jute, and Linen Goods; Ivory, Bone, Shell, and Horn Goods, etc.; Mixed Textiles; Oils and Illuminating Fluids; Straw and Palm Leaf Goods; Trunks and Valises; and Whips, Lashes, and Stocks. The decreases in capital invested are either very slight or else are based upon a comparatively small amount of capital, these

industries, except Cotton Goods, being among the minor industries of the State. In Cotton Goods, the decrease in capital invested in 1890 as compared with 1885 is based upon the returns of 142 leading establishments and amounts to 6.17 per cent.

In the report on the Statistics of Manufactures for 1890 a comparison was made of the amount of capital invested in this industry in 1887, 1888, 1889, and 1890 as compared with 1886, for 109 establishments. From this comparison it appeared that an increase in capitalization took place in 1887 as compared with 1886 to the extent of 11.17 per cent in the aggregate. In each of the succeeding years a decline was noted, except in 1890, when an increase of 6.84 per cent occurred over the previous year, carrying the aggregate capital invested in the 109 typical establishments represented to \$98,221,151, as against \$87,717,006 in 1886, a net increase of 11.98 per cent.

The comparison between 1885 and 1890, just presented, indicates a net decrease in 1890 as compared with 1885; but, as we have just shown, the previous Report indicated an increase of capital invested in the industry in 1890 as compared with 1886. It is probable, therefore, that the year 1886 was a year of comparatively low capitalization in this industry.

In the following table the ten principal industries are compared for the years 1885 and 1890, data being brought forward from the presentation on pages 20 and 21:

Industries.	Number of Estab- lishments		NT OF Invested	Increase (+), or Decrease (-), in 1890		
	Con- sidered	1885	1890	Amounts	Percent- ages	
Boots and shoes,	. 528	\$23,293,493	\$28,448,028	+\$5,154,535	+22.13	
Carpetings,	. 11	7,231,443	7,854,349	+622,906	+8.61	
Cotton goods,	. 142	116,355,276	109,173,772	<b>—7,181,50</b> 4	-6,17	
Leather,	. 169	8,925,338	9,790,034	+864,696	+9.69	
Machines and machinery, .	. 255	17,437,283	23,514,454	+6,077,171	+34.85	
Metals and metallic goods, .	. 268	19,070,549	22,625,517	+3,554,968	+18.64	
Musical instruments and materials	45	4,005,059	5,594,787	+1,589,728	+39.69	
Baper and paper goods,	. 95	19,413,557	20,254,569	+841,012	+4.33	
Woollen goods,	. 126	25,940,152	28,056,310	+2,116,158	+8.16	
Worsted goods,	. 16	7,182,856	8,622,091	+1,439,235	+20.04	
Other industries,	2,162	129709,956	157,656,042	+28,946,086	+22.49	
ALL INDUSTRIES,	3,817	\$377,564,962	\$421,589,953	+\$44,024,991	+11.66	

The capital invested in the ten selected industries entering into the above comparison represented 62.60 per cent of the capital invested in the 3,817 establishments considered in 1890. In the Decennial Census of 1885 these ten industries contained 59.64 per cent of the total amount of capital invested in the manufacturing and mechanical industries of the State. these industries show an increase in capitalization except the cotton goods industry to which we have alluded. In Carpetings, Leather, Paper and Paper Goods, and Woollen Goods the increase in capital invested amounts to less than ten per cent, the percentages being 8.61, 9.69, 4.33, and 8.16, respectively. The increase in capitalization in Metals and Metallic Goods is 18.64 per cent. In Boots and Shoes and Worsted Goods the respective percentages of increase are 22.13 and 20.04. Machines and Machinery and Musical Instruments and Materials increases of 34.85 per cent and 39.69 per cent, respectively, appear. In all other industries, except the ten principal ones presented in detail, the aggregate increase for the five years was 22.49 per cent.

Returns respecting capital invested are probably more liable to be misleading than any other element entering into the statistical presentations in these reports, if it is not continually borne in mind that the term capital, as used in the returns, does not mean merely cash capital or capital stock, but, on the other hand, includes all forms of capital devoted to produc-That is to say, it includes, besides cash and its equivalents (notes or bills receivable), land, machinery, and stock on hand or in process of manufacture. Some of these elements are variable from year to year and this undoubtedly accounts for the apparently wide fluctuations in the amount of capital invested which sometimes appear in the returns. It is necessary to repeat the caution inserted in previous Reports, that "Increase in capital shown in the tables simply means that more capital was devoted to production. It does not necessarily imply an investment of more money on the part of partners or stockholders. It may mean an expansion of The converse of each of these statements is, of course, equally true." And we may also repeat, from the Report of last year, that an expansion of credit is not to be considered

evidence of industrial distress. The use of loaned capital for the purchase of stock at different periods of the market may be, and frequently is, a wise business transaction. The value of stock purchased on credit is, of course, represented in the capital invested. Capital invested in any given industry, for instance, Cotton Goods, may be partly invested in materials purchased in a favorable market and held at the time of making the return. This would show a larger proportionate capital invested than would appear at another time when the stock of raw cotton was comparatively low. But under the last named conditions the comparatively smaller amount of capital invested in the industry, which would appear in the returns, would not, it is plain, indicate a decrease in prosperity in the industry. These qualifying conditions, all of which affect returns relative to capital, should be borne in mind before deductions are drawn respecting the different industries represented, based upon the amount of capital appearing in the returns.

## STOCK USED: BY INDUSTRIES.

The statistical tables on pages 24 to 41 relate to stock used in the different industries. The first presentation, pages 24 and 25, shows a comparison for the years 1890 and 1891. In the 3,745 establishments in All Industries the total value of stock used, in 1890, was \$352,435,774 and in 1891, \$362,210,369, an increase of only 2.77 per cent. It will be understood, of course, that the term "stock used" includes all kinds of materials consumed in the establishments, whether so-called raw material or material which has been subjected to previous processes and is itself a manufactured product of some other establishment or It includes not only material entering into the fabric of the articles produced by the establishments from which the returns are secured, but also all other materials such as coal, oil, etc., consumed in the processes necessary to the production of the goods made by these establishments. It would be interesting, had the condition of the returns permitted, to separate that portion of stock used which is strictly raw material from the other articles of stock consumed. Unfortunately, the returns have never yet been made in sufficient detail to permit this to be done. Much improvement, however, has been made in this direction, and it will undoubtedly be possible in our next report to present such a classification as will permit this separation to be made.

It is not necessary in this analysis to refer in detail to all the industries represented in the table. We select for this purpose, in the following presentation, the ten principal industries:

Industries		Number of Estab- lishments	VALUE OF S	TOCK USED	Increase (+), or Decrease (-), in 1891		
		Con- sidered	1890	1891	Amounts	Percent- ages	
Boots and shoes,		567	\$54,441,633	<b>\$</b> 52,619,990	-\$1,821,643	-3.35	
Carpetings,		12	4,831,720	5,122,453	+290,733	+8.02	
Cotton goods,		157	52,290,260	52,253,505	-36,755	-0.07	
Leather,		154	13,959,611	11,925,222	2,034,389	14.57	
Machines and machinery, .		263	9,309,620	8,870,851	-438,769	-4.71	
Metals and metallic goods, .		277	17,926,860	17,651,153	-275,707	-1.54	
Musical instruments and mater	ials,	46	2,115,603	2,018,603	-97,000	-4.58	
Paper and paper goods,		102	14,609,690	15,680,804	+1,071,114	+7.33	
Woollen goods,		138	19,461,068	21,162,373	+1,701,305	+8.74	
Worsted goods,		21	10,448,643	12,220,984	+1,772,341	+16.96	
Other industries,	•	2,008	153,041,066	162,684,431	+9,643,365	+6.30	
ALL INDUSTRIES,		3,745	\$352, <b>43</b> 5,774	<b>\$362,210,369</b>	+\$9,774,595	+2.77	

Of the industries presented in detail in the above table, Carpetings shows an increase in the value of stock used in 1891 as compared with 1890 of 6.02 per cent; Paper and Paper Goods an increase of 7.33 per cent; Woollen Goods an increase of 8.74 per cent; and Worsted Goods an increase of 16.96 per cent; the increase in all of these industries being considerably above the average for All Industries, which was 2.77 per cent. On the other hand, Boots and Shoes shows a decrease in the value of stock used of 3.35 per cent; Leather a decrease of 14.57 per cent; Machines and Machinery a decrease of 4.71 per cent; Metals and Metallic Goods a decrease of 1.54 per cent; Musical Instruments and Materials a decrease of 4.58 per cent; and Cotton Goods the slight decrease of 0.07 per All other industries except the ten principal ones just specified show an aggregate increase in the value of stock used of 6.30 per cent.

Turning to the tabular presentations contained in the report we find, on pages 26 and 27, a comparison of the value of stock used in the same establishments for the years 1885 and 1890. These are the same years which were used in the comparison previously made as to capital invested, the first being the year of the Decennial Census. The relative increase or decrease in 1890 as compared with 1885 is given with equivalent percentages, for 3,817 identical establishments. We bring forward and condense in the following detailed presentation data for the ten principal industries:

Industries				Number of Estab- lishments	VALUE OF S	STOCK USED	Increase (+), or Degrease (-), in 1890		
				Con- sidered	1885	1890	Amounts	Percent- ages	
Boots and shoes, .				528	\$47,583,750	\$53,798,109	+\$6,214,359	+13.06	
Carpetings,				11	3,721,895	4,668,076	+946,181	+25.42	
Cotton goods,		•		142	36,607,021	49,673,961	+13,066,940	+35.70	
Leather,				169	14,951,966	15,137,926	+185,960	+1.24	
Machines and machine	ry,			255	5,106,068	8,985,297	+3,879,229	+75.97	
Metals and metallic go	ods,			268	11,810,600	17,229,077	+5,418,477	-45.88	
Musical instruments an	d ma	teri	ıls,	45	1,789,242	2,698,961	+909,719	+50.84	
Paper and paper goods	, .			95	11,857,538	13,471,429	+1,613,891	+13.61	
Woollen goods, .				126	16,012,384	19,157,999	+8,145,615	+19.64	
Worsted goods, .				16	5,507,333	7,828,273	+2,320,940	+42.14	
Other industries, .		•		2,162	123,882,450	158,500,435	+34,617,985	l ·	
ALL INDUSTRIES				3,817	\$278,830,247	\$351,149,543	+\$72,319,296	+25.94	

In all of these industries an increase in the value of stock used is shown. The increase is least in Leather, amounting to only 1.24 per cent. Next to this industry stands Boots and Shoes with an increase of 13.06 per cent. In Paper and Paper Goods an increase of 13.61 per cent is shown, and next higher in the scale is Woollen Goods with an increase of 19.64 per cent. In Carpetings we find an increase of 25.42 per cent; in Cotton Goods an increase of 35.70 per cent; while in Machines and Machinery we find that the value of stock used in 255 typical establishments was, in 1885, \$5,106,068 and the same establishments consumed, in 1890, stock and materials amounting to \$8,985,297, an increase of 75.97 per cent. This is the largest increase shown in any of the leading industries, and

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it is only approached by the increase shown in Musical Instruments and Materials. In this industry 45 establishments are represented, the percentage of increase being 50.84. In Metals and Metallic Goods and in Worsted Goods the percentages of increase are 45.88 and 42.14, respectively. In all other industries except the ten presented in detail the aggregate increase is 27.94 per cent, slightly higher than the increase for All Industries, which is 25.94 per cent.

An interesting presentation on pages 28 to 41 concludes the statistics relating to stock used. This presentation consists of a comparison of quantities and values for the years 1890 and 1891. It affords an opportunity for noting changes in the average cost of a considerable number of leading articles of stock consumed; and, as these articles of stock are in many cases products of other industries, the value of the comparison is enhanced. The method of reading the table is clearly explained in the head-note which need not be repeated here. The table will repay careful study. The value of such a presentation as a record of prices from year to year is unquestioned.

#### GOODS MADE: BY INDUSTRIES AND TOWNS.

The statistical presentation, pages 45 and 46, presents a comparison of the value of goods made in the different establishments for the years 1890 and 1891, with the increase or decrease in amounts and percentages. The total value of goods made in the 3,745 establishments was, in 1890, \$605,032,664 and in 1891, \$613,100,717. This is an increase of \$8,068,053, or 1.33 per cent. The very slight percentage of increase for All Industries indicates that, so far as total product was concerned, the industrial conditions were practically the same in each year. Some of the industries, however, as will appear from an inspection of the table, increased their output to an extent very much greater than the increase for all industries.

It is not necessary to refer here to the different industries in detail. We bring forward a condensed table for the ten leading industries which were previously shown in detail for capital invested and stock used, in order that a similar comparison for goods made may be brought directly before the reader.

Industries.		Number of Estab- lishments		F GOODS WORK DONE	Increase (+), or Decrease (-), in 1891		
		Con- sidered	1890	1891	Amounts	Percent- ages	
Boots and shoes,		567	<b>\$</b> 90,550,454	\$89,229,603	<b>\$1,320,851</b>	_1.46	
Carpetings,		12	7,731,055	8,967,614	+1,236,559	+15.99	
Cotton goods,		157	90,063,203	89,857,630	-205,573	-0.23	
Leather,		154	20,122,480	17,090,803	3,031,677	-15.07	
Machines and machinery, .		263	25,212,841	24,876,466	-336,375	-1.33	
Metals and metallic goods, .		277	34,124,906	34,198,526	+73,620	+0.22	
Musical instruments and materi	als,	46	5,590,946	5,336,790	254,156	-4.55	
Paper and paper goods,		102	25,219,222	25,803,660	+584,488	+2.32	
Woollen goods,		138	31,151,139	33,989,359	+2,838,220	+9.11	
Worsted goods,		21	15,350,196	17,219,318	+1,869,122	+12.18	
Other industries,	•	2,008	259,916,222	266,530,948	+6,614,726	+2.54	
ALL INDUSTRIES,		8,745	\$605,032,664	\$613,100,717	+\$8,068,053	+1.33	

The final line in the above table reproduces the figures just cited for All Industries. An inspection of the details of the table at once shows that Boots and Shoes, Cotton Goods, Leather, Machines and Machinery, and Musical Instruments and Materials exhibit a decline in value of product in 1891 as compared with 1890. The percentages of decrease, however, are quite small except in the case of Leather, which shows a decline of 15.07 per cent. In Carpetings an increase in value of product appears of 15.99 per cent. In Metals and Metallic Goods the increase is unimportant, amounting to only 0.22 per cent. In Paper and Paper Goods we find an increase of 2.32 per cent; and in Woollen Goods and Worsted Goods the percentages of increase are 9.11 and 12.18, respectively. Excluding these ten principal industries, the percentage of increase in all other industries in the aggregate is found to be 2.54, but slightly greater than the percentage of increase for All Industries.

In the report on the Statistics of Manufactures for last year a table was presented showing a comparison of the value of goods made and work done for the ten principal industries for the years 1885 and 1890, based upon returns from 3,696 establishments. The increased number of returns received during the present year enables a similar comparison to be made for 3,817 identical establishments. This comparison is presented in the following table:

Industries.	Number of Estab- lishments		F Goods Work Done	Increase (+), or Decrease (-), in 1890		
	Con- sidered	1885	1890	Amounts	Percent- ages	
Boots and shoes,	. 528	\$75,420,266	\$89,245,667	+\$13,825,401	+18.33	
Carpetings,	. 11	5,991,919	7,494,940	+1,503,021	+25.08	
Cotton goods,	. 142	62,107,118	85,757,933	+23,650,815	+38.08	
Leather,	. 169	20,708,151	21,787,286	+1,079,135	+5.21	
Machines and machinery, .	. 255	14,727,678	24,715,319	+9,987,641	+67.82	
Metals and metallic goods, .	. 268	23,287,738	83,009,798	+9,722,060	+41.75	
Musical instruments and materia	ls, 45	4,834,461	6,784,910	+1,950,449	+40.84	
Paper and paper goods, .	. 95	18,795,947	23,028,995	+4,233,048	+22.52	
Woollen goods,	. 126	26,859,083	20,915,808	+4,056,725	+15.10	
Worsted goods,	. 16	7,802,785	11,469,957	+3,667,222	+47.00	
Other industries,	. 2,162	200,299,560	268,821,655	+68,522,095	+34.21	
ALL INDUSTRIES, .	. 3,817	\$460,834,656	\$603,032,268	+\$142,197,612	+30.86	

The results of the above comparisons substantiate those of the table presented last year. The increase in the value of product in the 3,817 establishments amounts in the aggregate to \$142,197,612, or 30.86 per cent. All of the leading industries show an increase in 1890 as compared with the Census Year 1885, the increase in every instance being considerable except in the leather industry where the percentage of increase is but 5.21. In Boots and Shoes and Woollen Goods the percentages of increase are 18.33 and 15.10, respectively. We find in Carpetings and Paper and Paper Goods increases of 25.08 per cent and 22.52 per cent, respectively, while in Cotton Goods an increase of 38.08 per cent appears. Machines and Machinery and Metals and Metallic Goods the percentages of increase are 67.82 and 41.75, respectively. In Musical Instruments and Materials an increase of 40.34 per cent and in Worsted Goods an increase of 47 per cent appears. In all other industries except the ten specified in detail the percentage of aggregate increase is 34.21.

The statistical table beginning on page 47 presents a comparison for goods made, based upon returns from identical establishments for the years 1887 to 1891 so arranged that comparison may be made between any two of the years for which figures are given. The total number of establishments each of which made return in each of these years is 1,130.

The results in the aggregate are brought forward in the following table:

	Yz	ARS.		Number of Estab- lishments	Value of Goods Made	INCREASE (), AS WITH PREVIOUS	COMPARED
				Con- sidered	and Work Done	Amounts	Percent- ages
1887,			•	1,130	\$311,787,327	_	_
1888,				1,130	321,664,584	<del>  \$</del> 9,877,257	+3.17
1889,	•		•	1,130	333,438,652	+11,774,068	+3.66
1890,	•		•	1,130	345,395,127	+11,956,475	+3.59
1891,				1,130	349,201,525	+3,806,398	1 +1.10

The percentages of increase in 1888 as compared with 1887, in 1889 as compared with 1888, and in 1890 as compared with 1889 are very similar, being 3.17, 3.66, and 3.59, respectively; but the increase in 1891 as compared with 1890 was but 1.10 per cent, a ratio of less than half that shown in each of the three previous years.

If we turn to the table on page 47 we find that in Boots and Shoes increased output appears in 1888, 1889, and 1890 as compared with the year next preceding; but in 1891 a decline in value of product appears as compared with 1890. Similar conditions are shown for Cotton Goods on page 48. In the leather industry, presented on page 49, a yearly decrease appears, except in the year 1890, in which an increase in value of product amounting to 9.46 per cent was shown over that returned In Machines and Machinery, on page 50, conditions similar to those in Boots and Shoes and Cotton Goods appear. A yearly increase in product is found, except in 1891 as compared with 1890. In Metals and Metallic Goods, on the other hand, the value of product declined in 1888 as compared with 1887, while an increase appears for each subsequent year. In Woollen Goods, presented on page 51, the value of product declined in 1888 as compared with 1887 to the extent of 2.89 per cent, increasing in 1889 as compared with 1888 to 2.44 per cent, declining again in 1890 as compared with 1889, the decline amounting to 1.40 per cent, and increasing in 1891 as compared with 1890 to the extent of 9.41 per cent. In Worsted Goods a fair percentage of increase is shown in each year subsequent to 1887 as compared with the value of product of the previous year, the percentage of increase in 1891 as compared with 1890 being 7.20; in 1890 as compared with 1889, 2.38; in 1889 as compared with 1888, 9.03; in 1888 as compared with 1887, 3.29. The paper and paper goods industry, shown on page 50, presents similar conditions, an increase appearing in the value of product year by year. The only other industries which present continuous yearly increases since 1887 are Boxes (Paper and Wooden), presented on page 47, Clocks, Watches, and Jewelry, presented on page 48, and Glass, presented on page 49.

In the following analysis table the returns from 1,130 establishments, for 1888 and each subsequent year, are compared with each previous year beginning with 1887:

Classification					Increase (+), or D IN THE VALI GOODS MADE AND	ECREASE (), UE OF WORK DONE
•					Amounts	Percentages
1888 as compared with 1887,				•	+\$9,877,257	+3.17
1889 as compared with 1887,					+21,651,325	+6.94
1890 as compared with 1887,				•	+33,607,800	+10.78
1891 as compared with 1887,	•	•	•	•	+37,414,198	+12.00
1889 as compared with 1888,					+11,774,068	+3.66
1890 as compared with 1888,					+23,730,543	+7.38
1891 as compared with 1888,	•	•	•	•	+27,536,941	+8.56
1890 as compared with 1889,					+11,956,475	+3.59
1891 as compared with 1889,	•	•	•	•	+15,762,873	+4.73
1891 as compared with 1890,					+3,806,398	+1.10

In 1891 as compared with 1887 an increase of 12 per cent appears, or an average of three per cent for each year. In 1891 as compared with 1890 the increase was but 1.10 per cent, or considerably below the yearly average shown since 1887. In 1891 as compared with 1888 the percentage of increase was 8.56 and as compared with 1889, 4.73. So that the result of this comparison justifies the statement that, while the output in 1891 is below the average for the five preceding years, yet when compared with any other year subsequent to 1887 this output is found to be above the average.

From the following graphic presentation derived from the returns of 1,130 establishments, each of which made returns

for 1887 and for each subsequent year, the fact of increase or decrease in value of product in each of the years subsequent to 1887 as compared with the value of product returned in that year may be easily seen, the sign (+) indicating a gain and the sign (—) indicating a decrease.

Industries.	1888 as com- pared with 1887	1889 as com- pared with 1887	1890 as com- pared with 1887	1891 as com- pared with 1887
Agricultural implements,	+	+	+	_
Arms and ammunition,	-	-	_	+
Artisans' tools,	+	-	+	+
Boots and shoes,	+	<del>+</del> +	+	++
Boxes (paper and wooden),	+	+	+	+
Buttons and dress trimmings,	+		-	_
Carpetings,	-	+	+	+
Carriages and wagons,	+	+	+	+
Clocks, watches, and jewelry,	+	++	+	+
Clothing,	+	_	+	+ + + +
Cordage and twine,	+	- + +	+	+
Cotton goods,	+	+	+	+
Flax, hemp, jute, and linen goods, .	+	+	+	++
Food preparations,	+	+	+	++
Furniture,	-		+	+
Glass,	+	+	+	+
Hosiery and knit goods,	_		. —	<del>-</del>
Leather,	_	_		<del>-</del>
Liquors: malt, distilled, and fermented,	+	+	· +	+
Machines and machinery,	++	++	+	+ + +
Metals and metallic goods,		++	+	+
Mixed textiles,	+	+	+	_
Musical instruments and materials, .	+	+	+	+
Paper and paper goods,	+	+	+	++
Print works, dye works, and bleacheries,		_	+	
Rubber and elastic goods,	+	+	+	+
Shipbuilding,	+	++	+	++
Silk and silk goods,	_	+	+	+
Stone,	-	_	_	—
Straw and palm leaf goods,	-	<b> </b>	_	+
Tallow, candles, soap, and grease, .	+	+	+	+
Wooden goods,	-	-		+
Woollen goods,	-	_	-	+
Worsted goods,	+	+	+	+ -
Totals,	+	+	+	+

Noting the plus signs in the preceding table it is at once evident that the following industries show a gain in the value of product in each subsequent year as compared with 1887: Boots and Shoes; Boxes (Paper and Wooden); Carriages and Wagons; Clocks, Watches, and Jewelry; Cordage and Twine; Cotton Goods; Flax, Hemp, Jute, and Linen Goods; Food Preparations; Glass; Liquors: Malt, Distilled, and Fermented; Machines and Machinery; Musical Instruments and Materials; Paper and Paper Goods; Rubber and Elastic Goods; Shipbuilding; Tallow, Candles, Soap, and Grease; and Worsted Goods. The same statement is true of All Industries in the aggregate. On the other hand, the following industries show a decline in the value of product in each year as compared with 1887: Hosiery and Knit Goods; Leather; and In Agricultural Implements and Mixed Textiles an increase in product appears in each subsequent year as compared with 1887 until the year 1891 is reached, when a smaller product appears than was returned in the year first named. An exactly opposite condition appears in Arms and Ammunition, Wooden Goods and Woollen Goods, which exhibit a decline in output in each subsequent year as compared with 1887 until the year 1891, when an increase in product is found as compared with the year first named. A few minor industries exhibit fluctuations which need not be particularly pointed out but which can be discerned from the table.

## GOODS MADE: BY TOWNS.

We have this year introduced a tabulation showing the value of goods made and work done in certain selected industries by counties, cities, and towns for 1885 and 1890, thus permitting direct comparison between the two years, the first being the date of the Decennial Census. This tabulation begins on page 55. It must be remembered that the number of establishments given does not in any instance represent the total number of establishments in any city, town, or industry. It includes those only which reported the value of goods made and work done in both of the years taken for comparison, namely, 1885 and 1890, thus permitting direct comparison as to the output in the same establishments during those years. The relative increase or decrease in 1890 as compared with 1885 is given,

with its equivalent percentage. In order not to disclose the business of any individual manufacturer certain establishments are omitted from the detailed town presentation, being included, however, in the line "Other cities and towns" and in the State recapitulations.

This tabulation permits a comparison of the output in 1885 and 1890, in the leading establishments in the principal industrial towns, for the particular industries for which each town is noted. For instance, referring to the presentation relating to Boots and Shoes, on page 55, we find that 96 leading establishments including the large concerns in Haverhill made returns in each of the years, the value of goods made and work done in them being \$6,635,456 in 1885, and \$9,275,055 in 1890, an increase of \$2,639,599, or 39.78 per cent. Plymouth County, on page 56, we find Brockton, another leading boot and shoe centre, represented by 39 establishments in each year, the increase in the value of goods made and work done in 1890 as compared with 1885 being \$4,423,-489, or 56.47 per cent. Similar comparisons may be made for other shoe towns. Turning to the cotton goods industry, on page 57, we find 33 leading establishments in Fall River represented at each period in the comparison, the increase in output being \$7,811,379, or 52.14 per cent. New Bedford, in the same county, taking the five leading concerns, the increase is \$2,545,253, or 58.23 per cent. Lowell, to take another cotton centre, eight establishments return an increase of \$5,865,157 in 1890 as compared with 1885, or 45.89 per cent. The presentation for the leather industry is contained on page 59. In Peabody 28 establishments enter into the comparison, the increase in output being 19.94 per cent. On the other hand, in Woburn 17 establishments are compared, and a decrease in output of 10.36 per cent is shown in 1890 as compared with 1885. It is not necessary to carry the analysis further, the citations showing the method of using the table. In each industry the percentages of increase or decrease shown for the leading establishments in various towns may be compared with the percentages of increase or decrease for the industry in the State and in the different counties.

The tabulation beginning on page 63 permits a comparison of value of product for all the establishments in the selected cities and towns which made' returns in both 1885 and 1890, with a recapitulation for the State and counties. It may be used in the same manner as the table showing the industries in detail by towns, and the same explanation as to the omission of the establishments which did not make returns in each of the vears, and the omission of other establishments in order to prevent the disclosure of the business of individual manufacturers, which was made with reference to the table just analyzed, applies to this presentation also. The percentages of increase or decrease, while not based upon aggregates like those of a census, nevertheless afford an indication of the condition of industrial business in 1890 as compared with 1885 in each of the towns, since they are based upon identical establishments covering the leading industries and the leading establishments in each town. In some cases a decrease is noted in the percentage column and in others an increase. These percentages of increase or decrease, while they may be accepted as indicating the condition of affairs for the years selected, might not hold true for other years; and the value of the annual reports lies in the fact that frequent comparisons of this sort may be made, instead of basing all such comparisons upon the results of censuses taken at infrequent periods.

## PERSONS EMPLOYED: BY INDUSTRIES.

Statistics relating to persons employed are contained on pages 90 to 129. The first table, pages 90 to 93, presents aggregates for persons employed at periods of employment of smallest number and of greatest number; also the aggregate average number of persons employed for the year, with the excess of greatest over smallest number, for the years 1890 and 1891. For All Industries in 1890 in the 3,745 establishments making returns in each year, the aggregate average number of persons employed was 287,900; the number employed at the periods of employment of smallest number being 251,107 and at periods of employment of greatest number 322,288. The excess of greatest over smallest number for the year was 71,181. In 1891 the aggregate average number of persons employed in

these same establishments was 292,866; the number employed at periods of employment of smallest number, 258,771, and at periods of employment of greatest number 329,634, an excess of greatest over smallest number of 70,863.

In the following analysis table, data as to the average number of persons employed during each year are brought forward for the ten leading industries:

Industri	<b>:8.</b>				Number of Estab- lishments	AVERAGE N PERSONS E DURING T	MPLOYED	Increase (+), or Decrease (-), 1891		
					Con- sidered	1890	1891	Number	Per- centages	
Boots and shoes,					567	44,068	43,343	<b>—725</b>	-1.65	
Carpetings,					12	4,635	4,672	+37	+0.80	
Cotton goods,					157	70,596	71,960	+1,364	+1.93	
Leather,					154	6,137	5,512	625	-10.18	
Machines and machinery	, .	•			263	15,709	16,120	+411	+2.62	
Metals and metallic good	ls,				277	17,096	17,373	+277	+1.62	
Musical instruments and	mat	erials	, .		46	2,889	2,692	—197	6.82	
Paper and paper goods,					102	9,574	9,873	+299	+3.12	
Woollen goods,					138	16,816	17,479	+663	+3.94	
Worsted goods,					21	7,963	7,965	+2	+0.03	
Other industries, .		•		•	2,008	92,417	95,877	+3,460	+3.74	
ALL INDUSTRIES,			,		3,745	287,900	292,866	+4,966	+1.72	

The above table indicates that in All Industries there was an increase in the average number of persons employed in 1891 as compared with 1890 amounting to 4,966, or 1.72 per cent. This percentage of increase is exceeded in the following industries each of which shows the percentage of increase annexed: Cotton Goods 1.93 per cent; Machines and Machinery 2.62 per cent; Paper and Paper Goods 3.12 per cent; and Woollen Goods 3.94 per cent. Carpetings, Metals and Metallic Goods, and Worsted Goods also show increases in the average number of persons employed, the percentages, however, being less than the percentage of increase for All Industries, or 0.80, 1.62, and 0.03, respectively. In Boots and Shoes a decrease in the average number of persons employed in 1891 as compared with 1890 appears; also in Leather, and in Musical Instruments and Materials, the percentages of decrease in these three industries being 1.65, 10.18, and 6.82, respectively.

It is impossible to show the amount of employment furnished in the different industries by considering the average number of persons employed without taking into account the periods of unemployment. In the statistical table to which we have just referred, pages 90 to 93, the number of persons employed at periods of employment of smallest and of greatest number, are shown in such manner as to be compared with the aggregate average number of persons employed. In the following table a comparison of persons employed at periods of employment of smallest number is brought forward for the ten selected industries:

Industrice	ı.				Number of Estab- lishments	SMAL NUMBER OF EMPLO	PERSONS	INCREASE (+), OR DECREASE (-), 11 1891		
					Con- sidered	1890	1891	Number	Per- centages	
Boots and shoes,					567	85,314	36,201	+887	+2.51	
Carpetings,					12	4,426	4,345	81	-1.83	
Cotton goods,					157	67,862	69,189	+1,327	+1.96	
Leather,					154	4,498	4,401	-92	-2.05	
Machines and machinery,					263	13,883	14,101	+268	+1.94	
Metals and metallic goods	,				277	15,268	15,461	+193	+1.26	
Musical instruments and a	nate	rials,	, .		46	2,674	2,544	-130	-4.86	
Paper and paper goods,					102	8,958	9,313	+355	+3.96	
Woollen goods,					138	15,054	16,007	+953	+6.33	
Worsted goods,					21	7,345	7,879	+34	+0.46	
Other industries, .		•		•	2,008	75,880	79,830	+3,950	+5.21	
ALL INDUSTRIES,					3,745	251,107	258,771	+7,664	+3.05	

The number of persons employed in All Industries at the periods of employment of smallest number aggregates 251,107 in 1890 and 258,771 in 1891, an increase of 3.05 per cent. Three of the industries employed a smaller number of persons in 1891 than in 1890 at periods of employment of smallest number. These industries are Carpetings, Leather, and Musical Instruments and Materials, the percentages of decrease being 1.83, 2.05, and 4.86, respectively. In Boots and Shoes 2.51 per cent more persons were employed in 1891 than in 1890 at the time when the smallest number of persons was employed; in Cotton Goods, 1.96 per cent more; in Machines and Machinery, 1.94 per cent more; in Metals and Metallic

Goods, 1.26 per cent more. In Paper and Paper Goods a gain of 3.96 per cent is seen and in Woollen Goods and Worsted Goods appear gains of 6.33 per cent and 0.46 per cent, respectively.

The following table presents a similar comparison as to the number of persons employed at the periods of employment of greatest number:

Industri	es.				Number of Estab- lishments	GREA NUMBER OF EMPL	PERSONS	Increase (+), or Decrease (), 1891		
					Con- sidered	1890	1891	Number	Per- centages	
Boots and shoes,					567	51,234	51,550	+316	+0.62	
Carpetings,					12	4,780	4,865	+85	+1.78	
Cotton goods,					157	73,328	75,003	+1,680	+2.29	
Leather,				,	154	7,421	6,768	653	8.80	
Machines and machinery	7, .			•	268	17,743	18,033	+290	+1.63	
Metals and metallic good	is,				277	18,718	19,398	+680	+3.63	
Musical instruments and	l mat	erial	١, .		46	3,096	2,898	198	-6.40	
Paper and paper goods,					102	10,162	10,528	+366	+3.60	
Woollen goods,					138	18,426	18,821	+395	+2.14	
Worsted goods,					21	8,787	8,460	-327	-3.72	
Other industries, .	•	•	•	•	2,008	108,598	118,310	+4,712	+4.84	
ALL INDUSTRIES,					8,745	322,288	329,634	+7,346	+2.28	

In All Industries we find 322,288 persons employed at the periods of employment of greatest number in 1890 and 329,634 in 1891, an increase in the number of persons employed at these periods of 2.28 per cent. In the selected list Leather shows a decrease of 8.80 per cent; Musical Instruments and Materials a decrease of 6.40 per cent; and Worsted Goods a decrease of 3.72 per cent. Every other industry in the selected list shows a larger number of persons employed in 1891 than in 1890 at the periods of employment of greatest number. Boots and Shoes shows an increase of 0.62 per cent; Carpetings an increase of 1.78 per cent; Cotton Goods an increase of 2.29 per cent; Machines and Machinery an increase of 1.63 per cent; Metals and Metallic Goods an increase of 3.60 per cent; Paper and Paper Goods an increase of 3.60 per cent; and Woollen Goods an increase of 2.14 per cent.

The range of unemployment is clearly shown in the following

analysis table for All Industries, which shows the range in the specified years between the number of persons employed at the periods of employment of smallest number and the periods of employment of greatest number, beginning with the year 1886:

	COMPARATIVE YEARS.										Aggregates: Persons Employed at Periods of Employment of Smallest Number	Aggregates: Persons Employed at Periods of Employment of Greatest Number	"Range"
1886, 1887,		:		:	:	:	:		٠.	1,027 1,027	129,843 135,271	167,913 172,175	38,070 36,904
1887, 1888,		•	•	•		•	•	•	:	1,140 1,140	149,714 147,598	190,194 191,234	40,480 43,641
1888, 1889,		•	•	•	•	•	•	•	:	1,364 1,364	169,610 176,097	221,307 221,449	51,697 45,352
1889, 1890,		:	:	:	:		•	:	:	3,041 3,041	224,887 234,324	293,321 300,227	68,434 65,903
1890, 1891,		:	:	:	:	:	:	:	:	3,745 3,745	251,107 258,771	322,288 329,634	71,181 70,863

The number of establishments in each group in the foregoing table varies for the reason that the establishments entering into the comparison between the specified years are necessarily those showing returns in each of the years named; and no other establishments can be compared. The first comparison shown in the table is between the years 1886 and 1887, for which we received returns from 1,027 identical establishments. Between the years 1887 and 1888 the comparison is made for 1,140 establishments; between 1888 and 1889 for 1,364 establishments; between 1889 and 1890 for 3,041 establishments; and between 1890 and 1891 for 3,745 establishments. table presents figures which show the smallest number of persons and the greatest number of persons employed in each year with the difference in range between the two periods. That is to say, in 1886, 38,070 more persons were employed at the periods of employment of greatest number of persons than at the periods of employment of smallest number. the same establishments the difference was 36,904. method of comparison may be applied to each of the other periods in the table.

In the following table the aggregates have been reduced to

percentages, the number of persons employed at the periods of employment of greatest number constituting 100 per cent:

								Number of Estab- lishments Con- sidered	Percentages of Persons Employed at Periods of Employ- ment of Smallest Number of Persons Employed at Periods of Employment of Greatest Number	Range (Unemployed at some time During the Year)	Periods of Em
1886,						• .		1,027	77.33	22.67	100.00
1887,			•	•	•		•	1,027	78.57	21.43	100.00
1887,								1,140	78.72	21.28	100.00
1888,			:	•			•	1,140	77.18	22.82	100.00
1888,								1,864	76.64	23.36	100.00
1889,		•	•		•	•	•	1,364	79.52	20.48	100.00
1889,								3,041	76.67	23.33	100.00
1890,			•	•	•			3,041	78.05	21.95	100.00
1890,								3,745	77.91	22.09	100.00
1891,								3,745	78.50	21.50	100.00

As we pointed out in a similar comparison last year, when reduced to percentages the range between the aggregates of the persons employed at the periods of employment of the smallest number and of greatest number shows but slight variation in each year. In the foregoing table the least percentage of variation shown in any single case is 20.48, this exhibiting the range between the number of persons employed at the periods of employment of smallest number in 1889 and the number of persons employed at the periods of employment of greatest number in the same year. The greatest percentage of variation is 23.36 occurring in the comparison between the years 1888 and 1889. An inspection of these percentages alone would apparently indicate that about one-fourth of the persons employed in the different industries were out of employment for a greater or less period at certain times during the year. This period of unemployment may be, and often is, very short. In the following table a closer indication of the range of unemployment is afforded by a comparison of the number of persons employed during each month:

	Mon	THS.			AGGREGATI OF PEI EMPLOYED IN IFIED B	rsons Each Spec-	Average Number of Persons Employed I Each Establishment IN Each Specified Mont	
	 				1890	1891	1890	1891
January, .					280,162	291,620	75	78
February, .					284,266	292,810	76	78
March, .					287,228	294,264	77	79
April, .					287,033	294,574	77	79
Мау,					287,842	296,058	77	79
June,			•		289,203	293,115	77	78
July,					285,974	290,043	76	77
August, .					287,987	290,142	77	77
September,					292,122	292,876	78	78
October, .					295,218	293,967	79	78
November,					292,987	292,653	78	78
December,					291,018	291,690	78	78

On pages 100 to 119 is presented the number of persons employed by sexes during each month of the year for the years 1890 and 1891 in each industry. In the foregoing analysis table the aggregate number of persons employed for All Industries during each specified month of the year has been brought forward, together with the average number of persons employed per establishment. From this table it appears that, although the percentages of unemployment as indicated in the table previously presented range from 22.09 in 1890 to 21.50 in 1891, still when averages for each month are considered no great variation is shown. In 1890 the range was from an aggregate of 280,162 persons employed in the month of January, to 295,218 persons employed in the month of October in the same year; and from 290,043 persons employed in the month of July, in 1891, to 296,058 persons employed in the month of May in the same year. The average number of persons employed per establishment ranges from 75 in the month of January, 1890, to 79 in the month of October in the same year and in 1891, from 77 in the months of July and August to 79 in the months of March, April, and May, respectively, in the same year.

In the following table for All Industries the range of employment is indicated by percentages, the number of persons employed in October in 1890, the month of employment of the greatest number, being considered 100 per cent in that year and

the number of persons employed in the month of May in 1891 being considered 100 per cent, that being the month in which the greatest number of persons was employed in that year.

		Mox	THS.			EMPLOYMEN	tages of t During the Specified	PERCENTAGES OF UNEMPLOYMENT DURING THE MONTHS SPECIFIED	
						1890	1891	1890	1891
January, .		•				94.90	98.50	5.10	1.50
February, .	•					96.29	98.90	3.71	1.10
March, .						97.29	99.39	2.71	0.61
April, .						97.23	99.50	2.77	0.50
Мау,						97.50	100.00	2.50	-
June,						97.96	99.01	2.04	0.99
July,						96.87	97.97	3.13	2.08
_						97.55	98.00	2.45	2.00
September,						98.95	98.93	1.05	1.07
October, .						100.00	99.29	-	0.71
November,						99.24	98.85	0.76	1.15
December,						98.58	98.52	1.42	1.48

In the above table the percentages of unemployment are obtained by computing the difference between the percentages of employment appearing in each month and 100 per cent, which appears, as has been stated, in the month during which the greatest number of persons was employed. In 1890 the smallest number of persons employed being in the month of January, 94.90 per cent, the percentage of unemployment for that month becomes 5.10, representing the decline from 100 per cent, the number employed in October, the month of The percentages of employment of the greatest number. unemployment in 1891 are uniformly less month by month than appear in 1890, indicating a larger amount of continuous employment in 1891 than in the year previous. The data contained in the presentation on pages 100 to 119 may be reduced to percentages affording comparison for each industry similar to those made in the preceding table for All Industries. Such a comparison is herewith presented for Boots and Shoes:

	Mon	ITH8.			EMPLOYMEN	TAGES OF T DURING THE SPECIFIED	PERCENTAGES OF UNEMPLOYMENT DURING THE MONTHS SPECIFIED		
<b>6</b> 1				 	1890	1891	1890	1891	
January, .				•	89.60	97.57	10.40	2.43	
February, .					91.16	99.09	8.84	0.91	
March, .	•				91.57	99.29	8.43	0.71	
April, .					91.46	97.32	8.54	2.68	
Мау,					93.41	99.24	6.59	0.76	
June,					96.94	99.22	3.06	0.78	
July,					96.48	98.25	8.52	1.75	
August, .					100.00	100.00	-	_	
September,					99.29	99.16	0.71	0.84	
October, .					97.10	96.73	2.90	3.27	
November,					92.33	92.94	7.67	7.06	
December,					90.24	93.35	9.76	6.65	

In the boot and shoe industry, as appears from the above table, 100 per cent, representing the greatest aggregate number of persons employed, is found in August in each year. The greatest variation from this basis during the year 1890 is found in January the percentage of employment being 89.60 in that month and the percentage of unemployment 10.40. In 1891 the greatest variation is found in the month of November, the percentage of employment at that time being 92.94 and of unemployment 7.06. As was found to be the case in All Industries, the range of unemployment in 1891 is uniformly less month by month than appears in 1890, except in the month of September when practically the full force was employed in each year, the percentages of unemployment amounting to 0.71 in 1890 and 0.84 in 1891.

The presentation on pages 120 to 123 indicates the busy season in each industry by data showing the average number of persons employed for the year contrasted with the number employed in the month in which the greatest number was employed, and with the aggregate number employed at periods of employment of greatest number. Taking, for instance, the boot and shoe industry the table shows the month in which the greatest aggregate number of persons was employed, namely, August in each year. The number of persons employed in this month in 1890 was 47,430 and in 1891 44,381. This may be contrasted with the average number of persons employed for the year, 44,068 in 1890 and 43,343 in 1891, and may also be com-

pared with the aggregate number of persons employed at periods of employment of greatest number which is found to be 51,234 in 1890 and 51,550 in 1891. Similar data appear in the table for each of the industries considered. For All Industries, October is the busy month of the year in 1890 and May in 1891. The number of persons employed in the 3,745 establishments in October, 1890, was 295,218, and in May, 1891, 296,058. The average number of persons employed in 1890, to carry the comparison to the same point that we have already made for Boots and Shoes, was 287,900, and 292,866 in 1891, while the aggregate number of persons employed at periods of employment of greatest number was 322,288 in 1890 and 329,634 in 1891.

The table on pages 124 to 127 shows the number of establishments in each of the industries which reported the same number of persons employed during the entire years 1890 and 1891. Summarizing the final line of this table, we find that in All Industries, 3,745 establishments were considered in the returns and of these 913, or 24.38 per cent, reported the same number of persons employed during the entire year, the total number of persons so employed being 41,533, or 14.43 per cent of the aggregate average number of persons employed in 1890. In 1891 in the 810, or 21.63 per cent of these establishments reporting the same number of persons employed during the entire year, the aggregate number of persons thus employed was 38,204, or 13.04 per cent of the aggregate average number of persons employed.

The final presentation relative to persons employed, contained on pages 128 and 129, presents a comparison of persons employed in the same establishments for the years 1885 and 1890. In All Industries, 3,817 establishments entering into the comparison, an average of 262,469 persons was employed in 1885; in 1890 the number was 286,618 an increase of 24,149 persons, or 9.20 per cent. In Boots and Shoes the increase is 9.24 per cent; in Carpetings 18.42 per cent; in Cotton Goods 7.04 per cent; in Leather 2.38 per cent; in Machines and Machinery 22.23 per cent; in Metals and Metallic Goods 17.13 per cent; in Musical Instruments and Materials 29.24 per cent; in Paper and Paper Goods 9.98 per cent; in Woollen Goods 8.21 per cent; and in Worsted Goods 15.86 per cent. The

establishments considered in the following industries, 25 in number, report a smaller average number of persons employed in 1890 than in 1885: Awnings, Sails, Tents, etc.; Brick, Tiles, and Sewer Pipe; Brooms, Brushes, and Mops; Burial Cases, Caskets, Coffins, etc.; Buttons and Dress Trimmings; Carriages and Wagons; Cooking, Lighting, and Heating Apparatus; Cotton, Woollen, and Other Textiles; Crayons, Pencils, Crucibles, etc.; Drugs and Medicines; Dyestuffs; Electroplating; Fertilizers; Fireworks and Matches; Furniture; Glue, Isinglass, and Starch; Ink, Mucilage, and Paste; Liquors: Malt, Distilled, and Fermented; Lumber; Photographs and Photographic Materials; Printing, Publishing, and Bookbinding; Shipbuilding; Stone; Straw and Palm Leaf Goods; and Trunks and Valises; but it will be noted that these do not include any of the ten leading industries.

### WAGES PAID: BY INDUSTRIES.

The presentation relating to wages paid will be found on pages 132 to 159. The first table, pages 132 and 133, presents the total amount paid in wages during the years 1890 and 1891 in the 3,745 establishments considered, by industries, with the increase or decrease in 1891 in amounts and percentages. In All Industries the total amount disbursed as wages was \$126,080,303 in 1890 and \$129,416,248 in 1891, an increase of \$3,335,945, or 2.65 per cent. In the following table the facts are brought forward for the ten selected industries:

Industries.	Number of Estab- lishments	PAID IN WA	Amount ges During Year	Increase or Decrease 1891	(—), IN
	Con- sidered	1890	1891	Amounts	Percent- ages
Boots and shoes,	567	\$22,714,532	\$21,861,711	<b>—\$852,821</b>	-3.75
Carpetings,	. 12	1,691,949	1,753,899	+61,950	+3.66
Cotton goods,	157	23,634,881	24,738,653	+1,103,772	+4.67
Leather,	154	3,144,285	2,867,027	277,258	-8.82
Machines and machinery, .	263	8,652,828	8,962,322	+309,494	+3.58
Metals and metallic goods, .	277	8,548,999	8,829,038	+280,039	+3.28
Musical instruments and materials	46	1,922,514	1,810,180	—112,334	-5.84
Paper and paper goods,	102	4,043,522	4,233,548	+190,026	+4.70
Woollen goods,	138	6,174,770	6,616,442	+441,672	+7.15
Worsted goods,	21	2,927,448	2,973,680	+46,232	+1.58
Other industries,	2,008	42,624,575	44,769,748	+2,145,173	+5.03
ALL INDUSTRIES,	3,745	<b>\$126,080,303</b>	\$129,416,248	+\$3,335,945	+2.65

The amount paid in wages in these selected industries formed 66.19 per cent of the total amount paid in 1890 and 65.41 per cent of the total amount paid in 1891. The final line of the table exhibits the facts for All Industries, to which we have just alluded. Three of the industries in the selected list show a decrease in the amount disbursed as wages in the establishments considered in 1891 as compared with 1890. These industries are Boots and Shoes, Leather, and Musical Instruments and Materials, the percentages of decrease being 3.75, 8.82, and 5.84, respectively. Worsted Goods exhibits an increase amounting to 1.58 per cent, or somewhat less than the percentage of increase for All Industries. Carpetings, Cotton Goods, Machines and Machinery, Metals and Metallic Goods, Paper and Paper Goods, and Woollen Goods each shows a percentage of increase greater than the percentage of increase for All Industries. These percentages of increase are as follows: Carpetings 3.66; Cotton Goods 4.67; Machines and Machinery 3.58; Metals and Metallic Goods 3.28; Paper and Paper Goods 4.70; and Woollen Goods 7.15. largest increase, it will be noted, appears in Woollen Goods.

The presentation on pages 134 and 135 exhibits the average yearly earnings in each industry. The figures have been obtained, as explained in the head-note of the table, by dividing the total amount paid in wages in each year by the average number of persons employed during the year. The relative increase or decrease in average yearly earnings in 1891 as compared with 1890 is given with its equivalent percentage. Confining our analysis to the ten selected industries we present the following table:

Industrie	ıs.			Number of Estab- lishments	Aver Yearly 1		INCREASE (+), OR DECREASE (-), 1 1891	
	<i>t</i> .			Con- sidered	1890	1891	Amounts	Percent- ages
Boots and shoes,				567	\$515.44	\$504.39	-\$11.05	-2.14
Carpetings,				12	365.04	375.41	+10.37	+2.84
Cotton goods,				157	334.79	343.78	+8.99	+2.69
Leather,				154	512.35	520.14	+7.79	+1.52
Machines and machinery	, .			263	550.82	555.98	+5.16	+0.94
Metals and metallic good	s,			277	500.06	508.20	+8.14	+1.63
Musical instruments and	mate	erials	, .	46	665.46	672.43	+6.97	+1.05
Paper and paper goods,				102	422.34	428.80	+6.46	+1.53
Woollen goods,				138	867.20	378.54	+11.34	+3.09
Worsted goods,				21	367.63	373.34	+5.71	+1.55
Other industries, .				2,008	461.22	466.95	+5.73	+1.24
ALL INDUSTRIES,				3,745	\$437.93	\$441.90	+\$3.97	+0.91

The final line of the foregoing table indicates the average yearly earnings in All Industries for each of the years considered. This average is \$437.93 in 1890 and \$441.90 in 1891, a slight increase amounting to 0.91 per cent. Each of the selected industries except Boots and Shoes shows a larger percentage of increase than is here indicated for All Industries. and Shoes the average yearly earnings in 1890 were \$515.44 and \$504.39 in 1891, a decline of 2.14 per cent. The largest increase in average yearly earnings in 1891 as compared with 1890 is found in Woollen Goods, the average rising from \$367.20 in 1890 to \$378.54 in 1891, an increase of 3.09 per cent. This, however, is approached by the increase in Carpetings in which the average yearly earnings rose from \$365.04 in 1890 to \$375.41 in 1891, an increase of 2.84 per cent. In Leather the increase is from \$512.35 in 1890 to \$520.14 in 1891, an increase of 1.52 per cent. In Metals and Metallic Goods the increase is nearly the same, or 1.63 per cent, measuring the rise from \$500.06 to \$508.20. In Musical Instruments and Materials, Paper and Paper Goods, and Worsted Goods the percentages of increase are also very similar, being 1.05, 1.53, and 1.55, respectively. In Machines and Machinery we find an increase from \$550.82 to \$555.98, or 0.94 per cent.

A comparison of wages paid in the same establishments for the years 1885 and 1890 may be found on pages 136 and 137, followed by a comparison of average yearly earnings, based upon the total amount of wages paid, for the same years, pages 138 and 139.

Referring to these tables, and confining our analysis to the ten principal industries previously presented in detail, we find that the total amount paid out in wages in the establishments considered in Boots and Shoes exhibits an increase in 1890 as compared with 1885 of 29.95 per cent; in Carpetings 42.11 per cent; in Cotton Goods 34.07 per cent; in Leather 18.49 per cent; in Machines and Machinery 56.27 per cent; in Metals and Metallic Goods 34.03 per cent; in Musical Instruments and Materials 39.83 per cent; in Paper and Paper Goods 26.13 per cent; in Woollen Goods 25.17 per cent; and in Worsted Goods 47.67 per cent. In All Industries, for 3,817 establishments making returns in each of the years named, the increase was from \$96,237,455 disbursed as wages in 1885 to \$125,999,921 paid out in 1890, an increase of \$29,762,466, or 30.93 per cent.

Turning now to the comparison of average yearly earnings, and confining our attention to the ten principal industries, we find that the average yearly earnings increased in Boots and Shoes to the amount of 18.96 per cent; in Carpetings 20 per cent; in Cotton Goods 25.25 per cent; in Leather 15.73 per cent; in Machines and Machinery 27.85 per cent; in Metals and Metallic Goods 14.43 per cent; in Musical Instruments and Materials 8.19 per cent; in Paper and Paper Goods 14.68 per cent; in Woollen Goods 15.67 per cent; and in Worsted Goods 27.46 per cent. In All Industries the average rose from \$366.66 in 1885 to \$439.61 in 1890, an increase of \$72.95 or 19.90 per cent. When it is remembered that these returns are from the same establishments in each of the years named the effect of the comparison becomes more striking. In only seven industries out of the total number considered is a decline in average yearly earnings found. These are Corks, Bungs, and Taps, in which two establishments entered into the comparison; Earthen, Plaster, and Stone Ware, five establishments being considered; Glass, numbering 12 establishments, in which the average yearly earnings dropped from \$555.63 in 1885 to \$474.69 in 1890; Hose: Rubber, Linen, etc., numbering only three establishments; Paints, Colors, and Crude Chemicals, 12 establishments making returns and the decline being very slight, from \$491.19 in 1885 to \$481.80 in 1890; Sporting and Athletic Goods, numbering nine establishments, declining from \$469.18 in 1885 to \$448.83 in 1890; and Whips, Lashes, and Stocks, 11 establishments reporting and the decline being from \$428.09 in 1885 to \$404.26 in 1890.

With respect to the average earnings per employé and the bearing of comparisons relating to wages based upon such average rates, we stated in the report on Statistics of Manufactures last year that "the apparent increase or decrease in average yearly earnings, while to a certain extent indicative of fluctuations in employment, has but limited significance when considered alone, as many conditions affect these averages. The fact that the average number of persons employed is used as the divisor in obtaining the average, and the total amount paid in wages as the dividend, implies that an uncertain figure, having no real statistical value when considered apart from other elements, will be the result of this division, for the males and females, young persons and adults, day hands and piece hands,

are indiscriminately included in the average number of persons employed." The difference in the proportions of males and females employed, the different proportions of day and piece hands, the greater proportion of adult employes in some industries than in others, and the different degrees of skill required in some industries, all affect the average yearly earnings and account for the fluctuations observed between the different industries. The following table supplies the necessary data for a comparison of average yearly earnings in 1891, with the different proportions of the sexes employed, day and piece hands, and the different proportions of adult persons employed in the different industries drawn from the Decennial Census of 1885:

				PERCE:	NTAGE	3	
Average Yearly Earn-	Industries.		SONS OYED	PIECE I	AND Hands: Sexes		eriods: Sexes
ings 1891		Males	Fe- males	Day Handa	Piece Hands	Under 21 years	21 years and over
<b>\$685.76</b>	Shipbuilding,	99.35	0.65	95.31	4.69	5.02	94.98
684.58	Fertilizers,	99.38	0.62	99.79	0.21	1.66	98.34
681.41	Liquors : malt, distilled, and fermented,	99.61	0 39	98.95	1.05	3.41	96.59
672.43	Musical instruments and materials, .	98.10	1.90	46.70	53.30	8.19	91.81
624.71	Fine arts and taxidermy,	77.78	22.22	100.00	-	5.55	94.45
619.85	Cooking, lighting, and heating appa-						1
	ratus	98.68	1.32	67.22	32.78	7.16	92.84
617.03	Awnings, sails, tents, etc.,	51.14	48.86	93.18	6.82	12.50	87.50
616.87	Photographs and photographic mate-					1	
	rials	56.89	43.11	98.87	6.63	16.40	83.60
614.06	Electrical apparatus and appliances,	98.74	1.26	96.65	3.35	11.17	88.83
609.55	Arms and ammunition	92.16	7.84	75.48	24.52	18.65	81.35
593.77	Chemical preparations (compounded),	97.89	2.11	100.00	_	5.98	94.02
590.74	Carriages and wagons,	98.71	1.29	80.55	19.45	7.26	92.74
590.53	Railroad construction and equipment,	99.22	0.78	100.00	-	3.81	96.19
580.93	Trunks and valises,	91.44	5.56	99.49	0.51	17.68	82.32
578.55	Tobacco, snuff, and cigars,	69.83	30.15	27.86	72.14	20.07	79.93
573.81	Cravons, pencils, crucibles, etc., .	85.11	14.89	70.21	29.79	24.47	75.53
568.62	Clocks, watches, and jewelry,	60.66	39.34	39.44	60.56	14.34	85.66
561.24	Printing, publishing, and bookbinding,	72.40	27.60	72.49	27.51	26.49	73.51
560.00	Artisans' tools,	96.69	3.31	76.51	23.49	9.63	90.37
556.12	Stone	99.93	0.07	70.95	29.05	5.14	94.86
555.98	Machines and machinery.	98.57	1.43	93.90	6.10	11.60	88.40
541.95	Models and patterns,	91.02	8.98	97.60	2.40	10.78	89.22
538.88	Oils and illuminating fluids,	96.83	3.17	96.60	3.40	6.57	93.43
580.75	Liquors and beverages (not spirituous),	96.74	3.26	100.00	-	7.49	92.51
527.88	Polishes and dressing.	64.81	35.19	97.91	2.09	10.45	89.55
526.47	Wooden goods.	95.31	4.69	70.90	29.10	15.28	84.72
521.26	Dyestuffs	96.20	3.80	94.57	5.43	4.35	95.65
520.14	- •	97.85	2.15	78.85	21.15	9.32	90.68

				PERCE	NTAGE	3 .	
Average Yearly Earn-	Industries.		SONS OYED	PIECK	AND Hands: Sexes	AGE P Both	ERIODS:
ings 1891		Males	Fe- males	Day Hands	Piece Hands	Under 21 years	years and over
<b>\$</b> 518.68	Agricultural implements	100.00	_	62.48	87.52	8.89	91.11
509.09	Electroplating,	97.12	2.88	85.61	14.39	20.14	79.86
508.20	Metals and metallic goods,	90.95	9.05	73.69	26.31	14.88	85.12
506.85	Emery and sand paper and cloth, etc.,	93.69	6.31	97.57	2.43	10.19	89.81
506.59	Burial cases, caskets, coffins, etc.,	85.51	14.49	74.72	25.28	9.94	90.06
504.39	Boots and shoes,	69.46	30.54	31.06	68.94	14.79	85.21
503.51	Paints, colors, and crude chemicals, .	97.31	2.69	100.00	-	5.38	94.62
495.12	Cement, kaolin, lime, and plaster, .	100.00	-	98.27	1.73	6.94	93.06
486.36	Lumber,	99.74	0.26	93.13	6.87	5.50	94.50
485.97	Furniture,	91.00	9.00	64.88	35.12	17.28	82.72
485.14	Food preparations,	82.28	17.72	92.40	7.60	14.09	85.91
475.52	Tallow, caudies, soap, and grease, .	93.73	6.27	88.69	11.31	11.85	88.15
471.88	Earthen, plaster, and stone ware, .	92.57	7.43	77.72	22.28	18.83	81.17
454.16	Glass,	88.70	11.30	96.13	3.87	17.72	82.28
453.72	Ivory, bone, shell, and horn goods, etc.,	91.09	8.91	71.14	28.86	26.83	78.17
452.46	Glue, isinglass, and starch,	96.13	3.87	98.90	1.10	17.86	82.14
444.62	Whips, lashes, and stocks,	64.41	35.59	49.82	50.18	12.63	87.37
441.88	Straw and palm leaf goods,	36.07	63.93	12.16	87.84	15.30	84.70
439.01	Sporting and athletic goods,	85.09	14.91	48.11	51.89	13.58	86.42
431.99	Brick, tiles, and sewer pipe,	99.09	0.91	96.97	3.03	6.16	93.84
430.60	Hose: rubber, linen, etc.,	78.18	21.82	96.36	8.64	23.64	76.36
423.80	Paper and paper goods,	56.08	43.92	74.29	25.71	15.70	84.30
426.18	Print works, dye works, and bleacheries,	65.17	34.83	72.14	27.86	19.30	80.70
425.89	Rubber and elastic goods,	58.22	41.78	50.10	49.90	19.69	80.31
420.37	Scientific instruments and appliances,	82.84	17.16	74.97	25.03	20.64	79.36
416.44	Perfumes, toilet articles, etc.,	51.06	48.94	70.21	29.79	19.15	80.85
412.55	Drugs and medicines,	71.17	28.83	83.77	16.23	21.82	78.18
411.60	Ink, mucilage, and paste,	82.26	17.74	96.77	3.23	40.32	59.68
401.77	Clothing,	28.25	71.75	51.24	48.76	16.94	83.06
397.49	Toys and games (children's),	82.46	17.54	44.00	56.00	30.77	69.23
390.52	Cotton, woollen, and other textiles, .	50.54	49.46	60.29	39.71	25.81	74.19
387.41	Boxes (paper and wooden),	55.62	44.38	59.51	40.49	24.37	75.63
<b>3</b> 85.85	Mixed textiles,	54.67	45.33	77.78	22.22	24.89	75.11
378.54	Woollen goods,	61.60	38.40	60.09	39.91	27.45	72.55
375.41	Carpetings,	42.12	57.88	59.70	40.30	32.58	67.47
373.34	Worsted goods,	42.13	57.87	69.04	30.96	35.59	64.41
372.77	Fireworks and matches,	69.61	30.39	91.18	8.82	42.16	57.84
365.57	Hair work (animal and human),	38.94	61.06	90.87	9.13	26.44	73.56
353.20	Silk and silk goods,	29.73	70.27	79.35	20.65	33.96	66.04
352.10	Brooms, brushes, and mops,	62.32	37.68	64.33	35.67	30.10	69.90
349.92	Buttons and dress trimmings,	30.15	69.85	71.77	28.23	22.93	77.07
343.78	Conton goods,	44.96	55.04	44.16	55.84	35.89	64.11 62.19
336.04	Cordage and twine,	53.21	46.79	86.82	13.18 71.45	37.81 29.81	70.19
333.26	Hosiery and knit goods,	29.13	70.87	28.55			
321.72	Flax, hemp, jute, and linen goods, .	51.57	48.43	75.31	24.69	43.76	56.24 44.30
310.83	Corks, bungs, and taps,	63.29	36.71	100.00	97.07	55.70	1
287.22	Fancy articles,	49.09	50.91	62.73	37.27	31.82	68.18
<b>\$441.90</b>	ALL INDUSTRIES,	67.00	33.00	58.17	41.83	20.49	79.51

The method of reading the above table is plain. Taking a leading industry at random from this list, for instance, Leather, we find that, in 1891, the average yearly earnings were \$520.14; in this industry 97.85 per cent of the persons employed were males, and 2.15 per cent females; 78.85 per cent were day hands, and 21.15 per cent piece hands; only 9.32 per cent were under twenty-one years of age, while 90.68 per cent of all the employés were twenty-one years of age and over. Contrasting this industry with another leading industry in which the wages are relatively considerably less, for instance, Woollen Goods, we find that the average yearly earnings in the last named industry were \$378.54; but 38.40 per cent of the persons employed in this industry were females; the percentages of day and piece hands were 60.09 and 39.91. respectively, while 27.45 per cent of the employés were under twenty-one years of age. Such information partly explains the differences in average yearly earnings.

Much more important, however, than any comparison of averages is the classification of wages shown on pages 140 to 159 for the years 1890 and 1891. Comparisons based upon such classification of weekly wages in each of the industries, are much more indicative of the real conditions as to the rate of wages than any average that can possibly be made. The following analysis table reproduces on the percentage basis the facts for All Industries drawn from the classified wage presentation:

			Percentages								
CLASSIFICATION OF WEEK	LY WA	GE.	18	90	18	91					
			Males	Females	Males	Females					
Under \$5,			38.15	61.85	37.33	62.67					
\$5 but under \$6.			32.78	67.22	33.56	66.44					
\$6 but under \$7.			46.19	53.81	45.65	54.35					
\$7 but under \$8.			56.32	43.68	55.76	44.24					
\$8 but under \$9.		.	65.10	34.90	63.69	36.31					
<b>\$</b> 9 but under <b>\$</b> 10.			80.95	19.05	81.24	18.76					
\$10 but under \$12,			86.82	13.18	86.54	13.46					
\$12 but under \$15.			93.35	6.65	93.87	6.18					
\$15 but under \$20.	Ċ		97.53	2.47	97.36	2.64					
\$20 and over,	•		99.03	0.97	99.06	0.94					
Totals, .		. [	66.51	33.49	66.35	33.68					

In this table the total number of employes in each class is considered as 100 per cent. Bearing this in mind we note that, in 1890, of all the operatives receiving less than \$5 per week, 38.15 per cent were males and 61.85 per cent females, the corresponding percentages in this wage class for the year 1891 being 37.33 males and 62.67 females. The comparison indicates that the respective proportions of the sexes in this wage class do not greatly vary in either year; and the same statement is found to be true with respect to every other wage class. The fluctuations between the wage classes clearly appear in the following analysis table:

		PERCENTAGES									
CLASSIFICATION OF WEEKLY WAGE.			1899		1591						
		Males	Females	Total	Males	Females	Total				
Under \$5,		8.47	27.28	14.77	8.08	26.76	14.37				
\$5 but under \$6, .		4.48	18.25	9.09	4.69	18.30	9.27				
\$6 but under \$7, .		8.23	19.04	11.85	7.98	18.72	11.59				
\$7 but under \$8, .		8.70	13.41	10.28	8.72	13.63	10.37				
\$8 but under \$9		8.06	8.58	8.23	8.16	9.17	8.50				
\$9 but under \$10, .		12.64	5.91	10.39	13.23	6.03	10.80				
\$10 but under \$12		14.51	4.37	11.11	14.33	4.40	10.99				
\$12 but under \$15, .		. 16.98	2.40	12.10	16.97	2.19	12.00				
\$15 but under \$20, .		13.37	0.67	9.12	13.44	0.72	9.16				
\$20 and over,	•	4.56	0.09	3.06	4.40	0.08	2.95				
Totals, .		100.00	100.00	100.00	100.00	100.00	100.00				

In the above table the total number of males, the total number of females, and the total number of employes of both sexes are each considered as representing 100 per cent. Taking the first line of the table we note that, in 1890, 8.47 per cent of all the males, 27.28 per cent of all the females, and 14.77 per cent of all the employés without regard to sex received less The corresponding percentages for 1891 are than \$5 per week. males 8.08, females 26.76, and all employés 14.37. The medium wage class, or that in which the proportion of each sex is about the same and is also similar to the proportion of all employés receiving the specified wage, is the class receiving \$8 but under \$9 per week. In this class appear, in 1890, 8.06 per cent of all the males, 8.58 per cent of all the females, and 8.23 per cent of all employés, the respective percentages in 1891 being 8.16, 9.17, and 8.50. The percentages of females

receiving the specified wage rapidly decline in each wage class above that receiving \$8 but under \$9. On the other hand, the percentages of males of all the males continuously increase above this level until the wage class receiving \$15 but under \$20 is reached when a slight drop appears, 13.37 per cent of all the males being in this class. The wage class above this is that in which \$20 and over are paid, 4.56 per cent of all the males appearing in it in 1890 and 4.40 per cent in 1891. In this class are found 0.09 per cent of all the females in 1890 and 0.08 per cent in 1891.

# PROPORTION OF BUSINESS DONE: BY INDUSTRIES.

This subject is treated statistically on pages 163 to 214. The first division of the subject is contained in the table on pages 163 to 181 and will be first analyzed.

### Proportion of Business Done.

In the table relating to this division of the subject, greatest capacity or maximum production, that is to say, the greatest amount of goods that can be turned out with the present facilities in the different establishments, is 100 per cent. We refer first to the recapitulation to be found on pages 180 and 181. final line of this recapitulation shows that in the 3,745 establishments in All Industries the relative proportion of business done in 1890 amounted to 70.27 per cent of the full capacity of the establishments. This percentage declined in 1891 to 69.27 per cent, presenting a net decline of one per cent. confine the analysis in detail to the ten principal industries. In Boots and Shoes 567 establishments are represented, the proportion of business done being 70.21 per cent in 1890, declining to 66.06 per cent in 1891. In Carpetings 12 establishments appear, the proportion of business done in 1890 being 78.25 per cent, rising in 1891 to 80.83 per cent. In the 157 establishments in Cotton Goods the proportion of business done in 1890 was 91.23 per cent of the full capacity and in 1891, 91.97 per cent, showing that, so far as the output is concerned in this industry, the conditions were about the same in In Leather 154 establishments appear, the proporeach year. tion of business done being 70.71 per cent in 1890, declining to to 64.42 per cent of full capacity in 1891. In Machines and Machinery a decline is noted from 69.27 per cent in 1890 to 67.54 per cent in 1891, 263 establishments making returns. In Metals and Metallic Goods, on the other hand, the proportion of business done increased from 69.26 per cent in 1890 to 70.60 per cent in 1891, 277 establishments appearing. Musical Instruments and Materials 46 establishments are found, the proportion of business done declining from 74.76 per cent in 1890 to 72.33 per cent in 1891. In Paper and Paper Goods 102 establishments are included, the proportion of business done in 1890 being 84 per cent and in 1891 84.62 per cent. In Woollen Goods 138 establishments appear, the proportion of business done in 1890 being 82.61 per cent rising in 1891 to 84.38 per cent. In the 21 establishments in Worsted Goods the proportion of business done is represented by nearly equivalent percentages in each year, the exact figures being 88.24 in 1890 and 88.29 in 1891. All the establishments in one industry only appear from the returns to have run to their full capacity in 1890. This is Fine Arts and Taxidermy, the number of establishments making returns being two only. These two establishments in 1891 ran to but 85 per cent of their full capacity. No other industry in the list returns its establishments as having run to full capacity in either year. The nearest approach to it is Cotton Goods, the percentages. as previously quoted, being 91.23 in 1890 and 91.97 in 1891.

In the detail tabular presentation which precedes the recapitulation it will be found that a certain number of establishments in most of the industries are reported as running to their full capacity, or 100 per cent. The following table enables a comparison to be made of the number of establishments running to full capacity with the total number of establishments in All Industries.

Classification		Numbi Establis		Percentages		
			1890	1891	1890	1891
Full capacity (100 per cent),			574	522	15.33	13.94
Less than full capacity, .	•	•	3,171	3,223	84.67	86.06
. Totals,	•		3,745	3,745	100.00	100.00

This table shows that the number of establishments running to their fullest capacity in 1890, 574, constituted 15.33 per cent of the entire number of establishments making returns, while the number of establishments running to their full capacity in 1891 constituted only 13.94 per cent of the total number of establishments. It follows, however, that in 1890 84.67 per cent of the total number of establishments making returns were run to less than their full capacity, while in 1891, 86.06 per cent of these same establishments presented similar conditions.

As usual we present a classification of percentages indicating the proportion of business done and the number of establishments in each percentage class in 1890 and 1891, together with the relative percentages which such establishments bore to the total number of establishments in each year.

Classification of Percentag	<b>E</b> S.		Numb Establis		PERCENTAGES	
		[	1890	1891	1890	1891
Under 10 per cent,		.	2	4	0.05	0.11
10 but under 20 per cent,		.	55	63	1.47	1.68
20 but under 30 per cent,		.	178	194	4.75	5.18
30 but under 40 per cent,	•	.	126	143	3.37	3.82
40 but under 50 per cent.			69	97	1.84	2.59
50 but under 60 per cent,		.	688	616	18.37	16.45
60 but under 70 per cent,			351	432	9.37	11.53
70 but under 80 per cent.		.	870	828	23.23	22.11
80 but under 90 per cent,			442	440	11.80	11.75
90 but under 100 per cent,			390	406	10.42	10.84
100 per cent,			574	522	15.33	13.94
Totals,		.	3,745	3,745	100.00	100.00

The line preceding the total in the above table repeats the fact just noted, that 15.33 per cent of all the establishments were run to their full capacity of production, or 100 per cent, in 1890 and only 13.94 per cent exhibited like conditions in 1891. The greatest condensation in the proportion of business done in each year appears in the class reporting 70 but under 80 per cent, the proportion of establishments so reporting being 23.23 in 1890 and 22.11 in 1891. Not only does a decline appear in the proportion of establishments running to their full capacity in 1891 as compared with 1890 but a decline

also appears in the proportion of establishments reporting 50 but under 60 per cent, 70 but under 80 per cent, and 80 but under 90 per cent. On the other hand, an increased proportion of establishments is found in the class reporting that the proportion of business done was less than 10 per cent of their full capacity and also in the classes reporting 10 but under 20 per cent, 20 but under 30 per cent, 30 but under 40 per cent, 40 but under 50 per cent, 60 but under 70 per cent, and 90 but under 100 per cent.

#### DAYS IN OPERATION.

The second division of the subject "Proportion of Business Done" relates to the number of days the different establishments were in operation. The statistical presentation relating to this division of the subject is given on pages 182 to 214. In the table the number of days each establishment considered was in operation is shown, together with the aggregate average number of persons employed in such establishments during the specified number of days for the years 1890 and 1891. The recapitulation is found on pages 211 and 212. In the detailed presentation a certain number of establishments in each of the industries will be found to have run the entire year. The total number of such establishments in comparison with the number in operation less than the entire year, in All Industries, is brought forward in the following table, with percentages:

CLASSIFICATION.	Number of Establishments		PERCENTAGES	
	1890	1891	1890	1891
In operation during the entire year, . In operation less than the entire year,	1,601 2,144	1,551 2,194	42.75 57.25	41.42 58.58
TOTALS,	3,745	3,745	100.00	100.00

The above table shows that, out of the total number of establishments in All Industries, 1,601 were in operation during the entire year in 1890 while in 1891 only 1,551 of these same establishments were thus in operation. That is to say, 42.75 per cent of the establishments entering into the comparison were in operation during the entire year in 1890 but in 1891 only 41.42 per cent of these establishments were thus in opera-

tion. On the other hand, 57.25 per cent of the establishments were in operation less than the entire year in 1890 and 58.58. per cent in 1891.

The total number of working days in the year is 306, Sundays and holidays being omitted. Therefore, whenever establishments have reported that they were in operation 306 days they have been considered as running the whole year. If in operation more than 306 days they must have run not only every working day in the year but either holidays or Sundays. Therefore, in making up the totals for the establishments which ran the entire year, those running either 306 days or a number in excess of 306 days have been included.

In the following table the establishments are classified with respect to the number of days in operation, so far as relates to All Industries:

CLASSIFICATION OF DAYS IN OPERATION.	Nunbe Establis		Percentages		
		1890	1891	1890	1891
Under 100 days,		31	30	0.83	0.80
100 days but under 150 days, .	.	35	42	0.93	1.12
150 days but under 200 days,	.	92	110	2.46	2.94
200 days but under 250 days, .		221	237	5.90	6.33
250 days but under 300 days, .	. 1	883	882	23.58	23.55
300 days but under 306 days, .	.	882	893	23.55	23.85
306 days and over,	•	1,601	1,551	42.75	41.41
TOTALS,		3,745	3,745	100.00	100.00

As we have just stated, establishments running 306 days and over were in operation for a full year; and the line preceding the totals in the above table exhibits the number of such establishments and shows that they formed 42.75 per cent of all the establishments considered in 1890 and 41.41 per cent in 1891. Excluding vacations as well as holidays and Sundays, it will be proper to assume that establishments running 300 days and over also ran a full year. Including with the class which ran 306 days and over those which ran 300 days but under 306 days, which, as shown in the table comprised 23.55 per cent of the total number of establishments in 1890 and 23.85 per cent in 1891, we find that the number of establishments running the entire year formed 66.30 per cent of the total number of establishments in 1890 and 65.26 per cent in 1891.

#### SUMMARY.

The leading factors relative to the condition of the various industries in 1890 and 1891 are brought before the reader in In these tables the inthe series of tables which follows. dustries are separated into classes. The first class comprises those industries showing an increase in the average number of days in operation and in the proportion of business done in 1891 as compared with 1890; the second class, those industries which show an increase in the average number of days in operation but a decrease in the average proportion of business done; third class, industries showing a decrease in the average number of days in operation but a greater proportion of business done; and fourth and last class, industries which show a decrease in the average number of days in operation and in the average proportion of business done. The percentages of increase or decrease in the proportion of business done are based upon the possible productive capacity of the establishments, and not upon the aggregate value of goods manufactured in 1891.

The table relating to the first class follows:

	INCREA	se (+), or D pared	ECREASE (- WITH 189	-), IN <b>1891</b> O IN —	AS COM-
Industries.	Averag Number Days i Operati	of Proportion n of Busi-	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Burial cases, caskets, coffins, etc.,			-\$45.82	+13	3
Carpetings,	+4.3	19 +2.58	+10.37	+87	+166
Cooking, lighting, and heating apparatus,	+4.0		+6.80	+133	+75
Cordage and twine,	+6.9		+1.03	+335	+292
Cotton goods,			+8.99	+1,364	+353
Electroplating,	+14.8	33   +2.20	+19.80	+2	+2
Emery and sand paper and cloth, etc., .	+10.5	27 +5.39	25.96	+56	+6
Food preparations,	+6.0		+13.24	+648	-40
Hair work (animal and human),	+5.8	35 +3.50	-30.86	8	26
Hose: rubber, linen, etc.,	+12.0	6 +13.60		+58	+9
Hosiery and knit goods,				+1,053	-250
Ivory, bone, shell, and horn goods, etc.,	+0.0		+40.25		+22
Liquors and beverages (not spirituous),	+8.1	6 +1.66	-73.31	+11	+8
Liquors: malt, distilled, and fermented,	+6.	51 +7.73	+5.06		+65
Metals and metallic goods,	+0.	14 +1.34	+8.14	+277	+487
Models and patterns,	+0.0	7 +2.60	-24.56	+1	-1
Paints, colors, and crude chemicals,	+2.4	12 *==	+7.19	-2	+9
Paper and paper goods,	+2.0	39   +0.62	+6.46	+299	+11
Perfumes, toilet articles, etc.,	+0.	71 +2.50	+22.95	+1	+4
Stone,	+1.5	18 +1.41	+23.37	+1	+381
Tobacco, snuff, and cigars,	+1.	79 +5.40	-8.35	+113	61
Toys and games (children's),	+1.0	05 +6.25	-3.56	+41	+97
Whips, lashes, and stocks,	+1.	36 +6.00	+31.31	+1	-3
Woollen goods,	+4.9	1 +1.77	+11.34	+663	558
Worsted goods,	+0.	13 +0.05	+5.71	+2	-361

^{*} No change.

It will be remembered that the industries grouped in this table are those showing an increase in the average number of days in operation and in the proportion of business done in 1891 as compared with 1890. The different percentages of increase regarding each of these points may be readily determined from the table. The leading industries which appear in this class are Carpetings; Cotton Goods; Metals and Metallic Goods; Paper and Paper Goods; Woollen Goods; and Worsted Goods. But it will be noted that the increase in the average proportion of business done in each of these industries is quite small when reduced to the percentage basis. The following industries in this class exhibit an increase in average yearly earnings: Carpetings; Cooking, Lighting, and Heating Apparatus; Cordage and Twine; Cotton Goods; Electroplating; Food Preparations; Hosiery and Knit Goods; Ivory, Bone, Shell, and Horn Goods, etc.; Liquors: Malt, Distilled, and Fermented; Metals and Metallic Goods; Paper and Paper Goods; Perfumes, Toilet Articles, etc.; Stone; Whips, Lashes, and Stocks; Woollen Goods; and Worsted Goods.

The average number of persons employed increased in all the industries in this class except Hair Work (Animal and Human), although in some industries the increase was very small.

The range of unemployment, that is, the difference between the smallest and greatest number of persons employed, was narrower in 1891 than in 1890 in the following industries: Burial Cases, Caskets, Coffins, etc.; Food Preparations; Hair Work (Animal and Human); Hosiery and Knit Goods; Models and Patterns; Tobacco, Snuff, and Cigars; Whips, Lashes, and Stocks; Woollen Goods; and Worsted Goods. This range was wider in 1891 than in 1890 in Carpetings; Cooking, Lighting, and Heating Apparatus; Cordage and Twine; Cotton Goods; Electroplating; Emery and Sand Paper and Cloth, etc.; Hose: Rubber, Linen, etc.; Ivory, Bone, Shell, and Horn Goods, etc.; Liquors and Beverages (Not Spirituous); Liquors: Malt, Distilled, and Fermented; Metals and Metallic Goods; Paper and Paper Goods; Perfumes, Toilet Articles, etc.; Stone; and Toys and Games (Children's). But, like the differences in the average number of persons employed, the changes are in most cases very

slight. We include in this class Paints, Colors, and Crude Chemicals which shows an increase in average number of days in operation but no change as to proportion of business done; in this industry an increase is shown as regards average yearly earnings but a decrease in number of persons employed and a wider range of unemployment in 1891 than in 1890.

Industries of the second class are arranged in the following table:

	INCREASE	(十), OR DE PARED	CREASE ( WITH 189	), IN <b>1891</b> D IN —	AS COM-	
Industries.		Days in	Average Proportion of Busi- ness Done	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Artisans' tools,		+2.94	-2.30	+\$11.42	+9	-8
Boots and shoes,		+0.12	-4.15	11.05	-72	571
Cotton, woollen, and other textiles, .		+10.52	-5.66	+16.70	+165	65
Electrical apparatus and appliances, .		+3.72	5.60	+58.28	+65	+510
Fancy articles,		+4.89	-2.66	+8.29	-25	-21
Fine arts and taxidermy,		*=	15.00	-22.58	*=	+4
Fireworks and matches,		+14.85	-1.67	+81.90	+19	-11
Glass,		+5.54	-3.80	-5.79	+30	57
Musical instruments and materials, .		+1.66	-2.43	+6.97	—197	68
Polishes and dressing,		+0.01	-1.11	+54.88	-11	+5
Printing, publishing, and bookbinding,		+2.24	-3.84	+6.21	+41	+48
Scientific instruments and appliances, .		+0.71	-1.36	-11.78	-1-98	-10
Sporting and athletic goods,		+7.26	-1.56	-5.98	+44	+84

* No change.

These industries are those which show an increase in the average number of days in operation and a decrease in the average proportion of business done. Of these industries, the following show an increase in average yearly earnings: Artisans' Tools; Cotton, Woollen, and Other Textiles; Electrical Apparatus and Appliances; Fancy Articles; Fireworks and Matches; Musical Instruments and Materials; Polishes and Dressing; and Printing, Publishing, and Bookbinding. The following show a decrease in average yearly earnings: Boots and Shoes; Glass; Scientific Instruments and Appliances; and Sporting and Athletic Goods. The leading industries in this class are Boots and Shoes and Musical Instruments and Materials.

In Artisans' Tools; Cotton, Woollen, and Other Textiles; Electrical Apparatus and Appliances; Fireworks and Matches;

Glass; Printing, Publishing, and Bookbinding; Scientific Instruments and Appliances; and Sporting and Athletic Goods the average number of persons employed shows an increase, while in Boots and Shoes; Fancy Articles; Musical Instruments and Materials; and Polishes and Dressing a decrease is shown in this respect.

The range of unemployment is wider in 1891 than in 1890 in Electrical Apparatus and Appliances; Polishes and Dressing; Printing, Publishing, and Bookbinding; and Sporting and Athletic Goods, and narrower in Artisans' Tools; Boots and Shoes; Cotton, Woollen, and Other Textiles; Fancy Articles; Fireworks and Matches; Glass; Musical Instruments and Materials; and Scientific Instruments and Appliances. In this class we include Fine Arts and Taxidermy, in which no change appears as to number of days in operation or number of persons employed but which shows a decrease in proportion of business done, in average yearly earnings, and a wider range of unemployment in 1891 than in 1890.

The following table presents industries of the third class:

		INCREASE	(十), OR DE PARED	CREASE (-) WITH <b>189</b> (	, IN 1891 IN	AS COM-
Industries.		Average Number of Days in Operation	Average Proportion of Busi- ness Done	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Arms and ammunition,		-1.20	+4.84	+\$17.59	+244	+159
Brick, tiles, and sewer pipe,		1.69	+4.89	11.93	+41	+91
Brooms, brushes, and mops,		-1.35	+2.86	+2.76	+28	-1
Buttons and dress trimmings,		-0.82	+2.61	+17.36	+127	<b>—74</b>
Cement, kaolin, lime, and plaster,		4.22	+2.00	16.35	-10	+3
Chemical preparations (compounded),.		-13.89	+3.00	+16.11	+12	+28
Drugs and medicines,		-0.38	+2.89	-10.19	+55	+67
Glue, isinglass, and starch,		-33.43	+6.64	17.60	+13	-118
Lumber,		-11.53	+2.12	+28.98	+2	+146
Mixed textiles,		-3.17	+1.84	+5.22	-36	15
Railroad construction and equipment, .		-6.13	+0.29	-9.07	-42	+146
Shipbuilding,		-3.02	+3.22	+36.43	-1	+133
Silk and silk goods,		2.87	+2.12	+13.95	-36	-265
Straw and palm leaf goods,		-15.34	+4.36	+35.48	+21	+158
Trunks and valises,	•	-0.09	+6.43	+41.02	+4	-2

The foregoing industries are those which show a decline in the average number of days in operation but a greater average proportion of business done. Of these industries, the following show an increase in average yearly earnings: Arms and Ammunition; Brooms, Brushes, and Mops; Buttons and Dress Trimmings; Chemical Preparations (Compounded); Lumber; Mixed Textiles; Shipbuilding; Silk and Silk Goods; Straw and Palm Leaf Goods; and Trunks and Valises; while Brick, Tiles, and Sewer Pipe; Cement, Kaolin, Lime, and Plaster; Drugs and Medicines; Glue, Isinglass, and Starch; and Railroad Construction and Equipment, show a decline in average yearly earnings.

The average number of persons employed is greater in all these industries except Cement, Kaolin, Lime, and Plaster; Mixed Textiles; Railroad Construction and Equipment; Shipbuilding; and Silk and Silk Goods. The range of unemployment is narrower in Brooms, Brushes, and Mops; Buttons and Dress Trimmings; Glue, Isinglass, and Starch; Mixed Textiles; Silk and Silk Goods; and Trunks and Valises, and wider in each of the other industries in this class.

The final table presents industries of the fourth class:

	Increase	(+), or DE	CREASE (-) VITH <b>1890</b>	), IN <b>1891</b> ) IN —	AS COM-
Industries.	Days in	Average Proportion of Busi- ness Done	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Agricultural implements,	-8.04	-3.63	+\$21.66	-14	+34
Awnings, sails, tents, etc.,	-5.65	-1.70	+7.64	6	+8
Boxes (paper and wooden),	-3.02	-2.17	-1.72	-58	+93
Carriages and wagons,	-3.67	-2.56	+20.11	+55	+313
Clocks, watches, and jewelry,	-5.74	-2.40	+9.06	28	+3
Clothing,	-2.41	-2.63	+0.38	81	+131
Corks, bungs, and taps,	-6.62	-2.50	+21.16	-3	+4
Crayons, pencils, crucibles, etc.,	-5.38	-2.25	+84.26	6	+6
Dyestuffs,	-5.85	6.00	+2.85	+1	+18
Earthen, plaster, and stone ware,	-39.05	-1.25	+14.49	-6	+117
Fertilizers,	-8.13	-0.71	+29.58	-9	+4
Flax, hemp, jute, and linen goods,	-0.75	-1.13	+7.44	+22	-300
Furniture,	-0.17	-1.69	+5.18	+123	-141
Ink, mucilage, and paste,	1.05	-2.25	-10.45	*==	*==
Lenther,	-4.62	-6.29	+7.79	625	561
Machines and machinery,	-1.00	-1.73	+5.16	+411	+22
Oils and illuminating fluids,	-0.17	-8.45	+22.60	+8	+12
Photographs and photographic materials,	-1.42	-10.46	-7.47	-11	+2
Print works, dye works, and bleacheries,	-2.01	3.97	+10.92	-281	62
Rubber and elastic goods,	-7.14	-4.43	-20.89	+242	733
Tallow, candles, soap, and grease,	-2.11	-6.12	+22.27	53	138
Wooden goods,	-1.88	-3.00	-7.56	+124	80

^{*} No change.

Industries grouped in the above table are those which show a decrease in the average number of days in operation and also in the average proportion of business done. Notwithstanding these decreases, the following industries exhibit an increase in average yearly earnings: Agricultural Implements; Awnings, Sails, Tents, etc.; Carriages and Wagons; Clocks, Watches, and Jewelry; Clothing; Corks, Bungs, and Taps; Crayons, Pencils, Crucibles, etc.; Dyestuffs; Earthen, Plaster, and Stone Ware; Fertilizers; Flax, Hemp, Jute, and Linen Goods; Furniture; Leather; Machines and Machinery; Oils and Illuminating Fluids; Print Works, Dye Works, and Bleacheries; and Tallow, Candles, Soap, and Grease; while the only industries in this list which show a decrease in average yearly earnings are Boxes (Paper and Wooden); Ink, Mucilage, and Paste; Photographs and Photographic Materials; Rubber and Elastic Goods; and Wooden Goods.

In Ink, Mucilage, and Paste no change appears in the average number of persons employed nor in the range of unemployment. The average number of persons employed is greater in 1891 than in 1890 in Carriages and Wagons; Dyestuffs; Flax, Hemp, Jute, and Linen Goods; Furniture; Machines and Machinery; Oils and Illuminating Fluids; Rubber and Elastic Goods; and Wooden Goods; but it is less in each of the other industries of this class.

The range of unemployment is narrower in 1891 than in 1890 in Flax, Hemp, Jute, and Linen Goods; Furniture; Leather; Print Works, Dye Works, and Bleacheries; Rubber and Elastic Goods; Tallow, Candles, Soap, and Grease; and Wooden Goods, and wider in all the other industries in this class.

We next present for each of the industries a graphic comparison for 1890 and 1891 of the total amount of capital invested, value of goods made and work done, total amount of wages paid, and number of persons employed. An increase in any of these items is indicated by the sign (+), a decrease by the sign (—), and no change by the sign (—).

	or No Ch	INCREASE (+), DECREASE (-), OR NO CHANGE (=), IN 1891 AS COMPA WITH 1890 IN -				
Industries.	Amount of Capital Invested	Made and	Total Amount of Wages Paid	Average Number of Persons Employed		
Agricultural implements,	-		+			
Arms and ammunition,	-	+	+	+		
Artisans' tools,	+	+	+	+		
Awnings, sails, tents, etc.,	+			_		
Boots and shoes,	<b> </b>	-				
Boxes (paper and wooden),	+	+	<b> </b>	_		
Brick, tiles, and sewer pipe,	+	1	+	+		
Brooms, brushes, and mops,	+	+	+	+		
Burial cases, caskets, coffins, etc.,	+	+	<u>'</u>	+		
Buttons and dress trimmings,	+		+	<u> </u>		
Carpetings,	<u> </u>		4	+		
Carriages and wagons,	l _	+		+		
Cement, kaolin, lime, and plaster,	+	<u> </u>		<u>'</u>		
Chemical preparations (compounded).	+	_	+	+		
Clocks, watches, and jewelry,	+	_	+	<u></u>		
Clothing,	+	+				
Cooking, lighting, and heating apparatus			+	+		
Cordage and twine,	+			+		
Corks, bungs, and taps,		_	1			
Cotton goods,	+ +		+	+		
Cotton, woollen, and other textiles,	<u> </u>	+	+	+		
Crayons, pencils, crucibles, etc.,	+	+	+			
Drugs and medicines,	+	+		+		
Dyestuffs,		<u> </u>	I			
Earthen, plaster, and stone ware,	_	+	+	<b>T</b>		
Electrical apparatus and appliances, .	_		+	· –		
T31 4 1 4	=	+	+	+		
Emery and sand paper and cloth, etc., .		+	+	+		
- ·	_		-	+		
Fancy articles,	_	+		_		
Fine arts and taxidermy,		<del>-</del>		_		
Fireworks and matches,	+	+		=		
Flax, hemp, jute, and linen goods,		+	+	+		
Food preparations,	+	+		+		
Furniture,	+		+	+		
Glass	-	+	+	+		
	+	+	+	+		
Glue, isinglass, and starch,	-		_	+		
Hair work (animal and human),	-	+	_	_		

	INC. OR NO CH	REASE (+), ANGE (=), I WITH 16	Decrease n 1891 as 190 in—	(—), COMPARED
Industries.	Amount of Capital Invested	Made and	Total Amount of Wages Paid	Average Number of Persons Employed
Hose: rubber, linen, etc.,	+	+	+	+
Hosiery and knit goods,	+	+	+	+
Ink, mucilage, and paste,	+	+	<b>—</b>	_
Ivory, bone, shell, and horn goods, etc.,	+	+	+	+
Leather,	-	_		
Liquors and beverages (not spirituous),	1 + 1	+		+
Liquors: malt, distilled, and fermented,	<u>+</u>	+	+	+
Lumber,	+	<u> </u>	+	+
Machines and machinery,	<del> </del>	<u> </u>	+	+
Metals and metallic goods,	+ .	+	+	+
Mixed textiles,	+ '		<u>.</u>	
Models and patterns,	+	+		+
Musical instruments and materials, .		<u> </u>		<u>'</u>
Oils and illuminating fluids,	+	+	+	+
Paints, colors, and crude chemicals, .	1		<u> </u>	<u>'</u>
Paper and paper goods,	+	+	;	+
Perfumes, toilet articles, etc.,	• ∔	+	+	¦
Photographs and photographic materials,		<u>'</u>		<u>'</u>
Polishes and dressing,	_	+	. +	
Printing, publishing, and bookbinding, .	+		+	+
Print works, dye works, and bleacheries,		'	<u> </u>	
Railroad construction and equipment, .	+	+		
Rubber and elastic goods,	+,			+
Scientific instruments and appliances, .	+	+	+	+
Shipbuilding,	T 1	<del> </del>	+	T
Silk and silk goods,	_	<del> </del>	T	
Sporting and athletic goods,	+	<del> </del>		+
Stone,	T	<del> </del>	T   +	T
Straw and palm leaf goods,	-		+	+
_	_	+		+
Tallow, candles, soap, and grease,  Tobacco spuff and gigers	++	-	_	
Tobacco, snuff, and cigars,	+	+		1 +
Toys and games (children's),	+	+	+	+
Trunks and valises,	+	+	+	+
Whips, lashes, and stocks,	+	+	+	+
Wooden goods,	+	+	+	+
Woodlen goods,	-	+	+	+
Worsted goods,		+	+	+
ALL INDUSTRIES,	+	+	+	+

Referring to the last line of this table we note an increase in the amount of capital invested, value of goods made and work done, total amount of wages paid, and in average number of persons employed, for All Industries in the aggregate; also in the following specified industries:

Artisans' Tools.
Brick, Tiles, and Sewer Pipe.
Brooms, Brushes, and Mops.
Buttons and Dress Trimmings.
Drugs and Medicines.
Fireworks and Matches.
Food Preparations.
Glass.
Hose: Rubber, Linen, etc.
Hosiery and Knit Goods.
Ivory, Bone, Shell, and Horn Goods,

etc.
Liquors: Malt, Distilled, and Fermented.

Lumber.

Metals and Metallic Goods.

Oils and Illuminating Fluids.

Paper and Paper Goods.

Perfumes, Toilet Articles, etc.

Scientific Instruments and Appliances.

Sporting and Athletic Goods.

Tobacco, Snuff, and Cigars.

Toys and Games (Children's).

Trunks and Valises.

Whips, Lashes, and Stocks. Wooden Goods.

The following industries show a decline in each of the elements named:

Boots and Shoes. Fertilizers. Leather.

etc.

Photographs and Photographic Materials.

Print Works, Dye Works, and Bleacheries.

The following industries increased the value of goods made and work done, the total amount of wages paid, and the average number of persons employed, but exhibit a decrease in the amount of capital invested:

Arms and Ammunition
Carpetings.
Carriages and Wagons.
Cooking, Lighting, and Heating Apparatus.
Emery and Sand Paper and Cloth,

Furniture. Stone. Straw and Palm Leaf Goods. Woollen Goods. Worsted Goods.

Cotton, Woollen, and Other Textiles and Electroplating show no change in amount of capital invested but exhibit an increase in each of the other items.

The following industries exhibit an increase in the amount of capital invested but a decline in value of goods made, in total amount of wages paid, and in average number of persons employed:

Awnings, Sails, Tents, etc. Musical Instruments and Materials. Cement, Kaolin, Lime, and Plaster. Tallow, Candles, Soap, and Grease. Mixed Textiles.

An increase in the total amount of wages paid but a decrease in the amount of capital invested, in value of goods made and work done, and in average number of persons employed, appears in Agricultural Implements.

In the following condensed summary drawn from the various detailed tables for the years 1890 and 1891 the leading items relative to All Industries, with percentages of increase or decrease, are brought directly before the reader:

CLASSIFICATION.	1890	1891	INCREASE (+). OR DECREASE (-)	
			Amounts	Percent- ages
Number of private firms,	2,987	2,952	-35	-1.17
Number of corporations,	730	762	+32	+4.38
Number of partners,	4,909	4,824	85	-1.78
Number of stockholders,	85,425	87,627	+2,202	+6.22
Amount of capital invested,	\$424,723,812	\$434,656,302	+\$9,932,490	+2.34
Value of stock used,	\$352,435,774	\$362,210,369	+\$9,774,595	+2.77
Value of goods made and work done, .	\$605,032,664	\$613,100,717	+\$8,068,053	+1.33
Persons employed.				
Average number,	287,900	292,866	+4,966	+1.72
Smallest number,	251,107	258,771	+7,664	+3.05
Greatest number,	322,288	329,684	+7,346	+2.28
Excess of greatest over smallest	i			
number,	71,181	70,863	-318	-0.45
Total amount paid in wages,	\$126,080,303	\$129,416,248	+\$3,835,945	+2.65
Average yearly earnings,	\$437.93	\$441.90	+\$3.97	+0.91
Average proportion of business done, .	70.27	69.27	-1.00	-1.42
Average number of days in operation, .	295.44	296.71	+1.27	+0.43

The slight changes in each of the elements summarized in the foregoing table, when reduced to the basis of percentages, will be at once apparent. These slight changes, of course, indicate that with respect to nearly every element surrounding production, the condition of the industries in the aggregate was substantially the same in each year. The greatest percentages of difference appear in the number of corporations and stockholders. The increase in the number of corporations is 32, or 4.38 per cent. This increase, it will be remembered, exhibits a change in the status of the establishments in 1891 as compared with 1890 inasmuch as the returns are from the same concerns in each year. The number of stockholders increased 6.22 per cent, mainly on account of the change in establishments from the private firm to the corporate basis. The amount of capital invested in all the establishments was 2.34 per cent greater in 1891 than in 1890; the value of stock used 2.77 per cent greater; and the value of goods made and work done only 1.33 per cent greater. The average number of persons employed was but 1.72 per cent greater, while the total amount of wages paid was 2.65 per cent greater. The average yearly earnings were 0.91 per cent greater; and the average proportion of business done, based upon the ultimate productive capacity of the establishments, was 1.42 per cent less.

It has been customary in these reports each year to present tables showing the actual product per \$1,000 of capital invested in certain leading industries, also the average product per employé, the percentage of industry product paid in wages, and the percentage devoted to other expenses. Such a table follows for 1891:

		;	Indus	TRIE	s				Number of Estab- lishments Con- sidered	Amount of Capital Invested	Average Number of Persons Employed
1	Boots and shoes,					•	•	•	567	\$27,507,315	43,343
2	Carpetings, .								12	7,687,708	4,672
8	Cotton goods,								157	117,933,102	71,960
4	Leather, .								154	8,212,735	5,512
5	Machines and ma	chi	inery,						263	26,627,625	16,120
6	Metals and metal	llc	goods	١, .					277	25,805,602	17,373
7	Paper and paper	god	ods,						102	22,556,155	9,873
8	Woollen goods,		•						138	27,885,204	17,479
9	Worsted goods,								21	10,782,298	7,965

Before considering the results of the foregoing table it is proper to explain certain designations used in it. By "Industry Product" is meant the actual result of the productive forces in the industry, that is, the added value created above the value of stock and materials consumed. The values presented in this and the following tables under the designation "Industry Product," are obtained by deducting from the total value of goods made in each of the specified industries, the value of stock used; the difference being the added value or actual product due to the industry. In the division of the proceeds of each industry, one part of this industry product is paid to the labor force in the form of wages, this being labor's share of the product. The balance constitutes a fund from which are paid freights, insurance, interest on loans (credit capital), interest on stock (fixed or invested capital), rents, commissions, salaries, etc.; in fact, all expenses other than those for stock and wages. The remainder, if any, is the profit of the employer. The entire balance of the industry product remaining after the deduction of the amount paid in wages, becomes a "Profit and Minor Expense Fund," - and is thus designated in the table. Of course, it will be understood that the term "Minor Expense" is relative. penses, some of which we have enumerated, paid out of this balance, are in themselves considerable in amount, and are only to be classed as "Minor" in comparison with the generally larger amounts expended for materials (stock), and wages.

Referring to the table we find the largest industry product per \$1,000 of capital in Boots and Shoes, thus confirming the

Total		-	Industry	PRODUCT	PERCENT INDUSTRY		
Amount Paid in Wages During the Year	Industry Product	Profit and Minor Expense Fund	Per \$1,000 of Capital	Average per Employé	Devoted to Profit and Minor Expenses	Paid in Wages	
\$21,861,711	<b>\$36,609,613</b>	\$14,747,902	\$1,330.90	<b>\$844.65</b>	40.28	59.72	1
1,753,899	3,845,161	2,091,262	500.17	823.02	54.39	45.61	2
24,738,653	37,604,125	12,865,472	318.86	522,57	34.21	65.79	8
2,867,027	5,165,581	2,298,554	628.97	937.15	44.50	55.50	4
8,962,322	16,005,615	7,043,293	601.09	992.90	44.01	55.99	5
8,829,038	16,547,373	7,718,835	641.23	952.48	46.64	53.36	1
4,233,548	10,122,856	5,889,308	448.78	1,025.31	58.18	41.82	7
6,616,442	12,826,986	6,210,544	460.82	733.85	48.42	51.58	8
2,973,680	4,998,334	2,024,654	463.57	627.54	40.51	59.49	9

experience of former years, this product amounting in 1891 to \$1,330.90. Next to this industry come Metals and Metallic Goods, Leather, and Machines and Machinery, in order as named, their respective industry products per \$1,000 of capital being \$641.23, \$628.97, and \$601.09. In comparison with each other these industries rank close together in a definitely marked group. Another such group comprises Worsted Goods, Woollen Goods and Paper and Paper Goods, ranking in order as named, with industry products per \$1,000 of capital amounting to \$463.57, \$460.82, and \$448.78, respectively. Between the two groups mentioned is Carpetings, its industry product per \$1,000 of capital being \$500.17, and following them we find Cotton Goods, with \$318.86, the smallest industry product per \$1,000 of capital, of any in the selected list.

The comparison we have just made illustrates the efficiency of capital in the industries named. To determine the relative efficiency of labor the industries may be compared as to the average value of the industry product per employé. In such a comparison Paper and Paper Goods stands first with an average industry product per employé of \$1,025.31. It is closely approached by Machines and Machinery, in which an average of \$992.90 appears. Following in order as named, we find, with averages as specified, Metals and Metallic Goods, \$952.48, Leather, \$937.15, and Boots and Shoes, \$844.65. Next to these comes Carpetings with an average of \$823.02. Closing the list the following group is noted: Woollen Goods, \$733.85, Worsted Goods, \$627.54, and Cotton Goods, \$522.57.

Cotton Goods this year ranks at the head of this list of

selected industries with respect to the percentage of industry product paid in wages, this percentage being 65.79. Ranking close together below this industry, in order as named, are the following, with the annexed percentages: Boots and Shoes, 59.72; Worsted Goods, 59.49; Machines and Machinery, 55.99; Leather, 55.50; Metals and Metallic Goods, 53.36, and Woollen Goods, 51.58. Lowest in this comparison are Carpetings, 45.61, and Paper and Paper Goods, 41.82.

The percentage of industry product paid in wages together with that devoted to profit and minor expenses constitutes 100 per cent, these two items making up the whole of the industry product. The rank of the industries with respect to the percentage of industry product devoted to profit and minor expenses is therefore exactly the reverse of their rank in the comparison as to the percentage paid in wages.

It is interesting to parallel the rank of the different industries for 1891, as regards amount of industry product per \$1,000 of capital, with their rank in 1890 as derived from the report of that year.

#### 1890.

Boots and Shoes. Metals and Metallic Goods. Leather. Machines and Machinery. Paper and Paper Goods. Worsted Goods Woollen Goods. Carpetings. Cotton Goods.

#### 1891.

Boots and Shoes. Metals and Metallic Goods. Leather. Machines and Machinery. Carpetings. Worsted Goods. Woollen Goods. Paper and Paper Goods. Cotton Goods.

From the above text-table the changes in rank in 1891 as compared with 1890 may be readily seen. A similar parallel as to average industry product per employé follows:

#### 1890.

Paper and Paper Goods. Metals and Metallic Goods. Machines and Machinery. Leather. Boots and Shoes. Woollen Goods. Worsted Goods. Carpetings. Cotton Goods.

1891. Paper and Paper Goods. Machines and Machinery. Metals and Metallic Goods. Leather. Boots and Shoes. Carpetings. Woollen Goods. Worsted Goods. Cotton Goods.

With respect to the percentage of industry product paid in wages, the industries ranked as follows:

#### 1890.

1891.

Boots and Shoes.
Cotton Goods.
Carpetings.
Worsted Goods.
Leather.
Machines and Machinery.
Metals and Metallic Goods.
Woollen Goods.
Paper and Paper Goods.

Cotton Goods
Boots and Shoes.
Worsted Goods.
Machines and Machinery.
Leather.
Metals and Metallic Goods.

Woollen Goods. Carpetings.

Paper and Paper Goods

The only industry in this selected list which retains the same rank in these comparisons in each year is Leather, which ranks third as to industry product per \$1,000 of capital, fourth as to average industry product per employé, and fifth as to the percentage of industry product paid in wages. Cotton Goods retains the same position in each year as to product per \$1,000 of capital and average product per employé, its rank being lowest in each case, but with respect to the percentage of industry product paid in wages, it changes places with Boots and Shoes in 1891 rising to first place instead of standing second as in 1890.

Separate industry presentations for the nine leading industries included in the last table permit comparisons for the years 1891 and 1890. The first relates to Boots and Shoes.

Boots and Shoes. [Comparisons for 567 Establishments.]

CLASSIFICATION.	1890	1891
Amount of capital invested,	\$27,790,899	\$27,507,315
Value of goods made and work done (gross product),	\$90,550,454	\$89,229,603
Value of stock used and other materials consumed in production,	<b>\$</b> 54,441,633	\$52,619,990
Industry product (gross product less value of stock and materials),	\$36,108,821	
Wages (labor's direct share of product), Profit and minor expense fund (industry product	\$22,714,532	• •
less wages),	<b>\$13,394,289</b>	\$14,747,902
Percentage of industry product paid in wages, . Percentage of industry product devoted to profit	62.91	59.72
and minor expenses,	37.09	40 <b>.2</b> 8
capital invested,	48.20	53.61

The percentage of industry product paid in wages was somewhat smaller in 1891 than in 1890, being 59.72 as against 62.91. The percentages of industry product devoted to profit and minor expenses were 37.09 and 40.28 in 1890 and 1891, respectively, indicating that, cost of stock and wages being eliminated, a larger margin remained for the payment of other expenses and for profit in 1891 than in 1890. This margin formed 48.20 per cent of capital in 1890 and 53.61 per cent in 1891.

The following table presents a similar comparison for Carpetings:

Carpetings. [Comparisons for 12 Establishments.]

CLASSIFICATION.	1890	1891
Amount of capital invested,	<b>\$7,905,635</b>	<b>\$7,687,708</b>
product).	<b>\$7,731,055</b>	\$8,967,614
Value of stock used and other materials consumed in production,	\$4,831,720	<b>\$</b> 5,122,458
Industry product (gross product less value of stock and materials),	<b>\$2,899,335</b>	\$3,845,161
Wages (labor's direct share of product), Profit and minor expense fund (industry product	\$1,691,949	\$1,753,899
less wages),	\$1,207,386	\$2,091,262
Percentage of industry product paid in wages, . Percentage of industry product devoted to profit	58.36	45.61
and minor expenses,	41.64	54.39
Percentage of profit and minor expense fund of capital invested,	15.27	27.20

Taking, as before, the percentage of industry product paid in wages we find a material decrease in 1891 as compared with 1890, the percentages being 45.61 and 58.36, respectively. Of course this leaves a larger margin for expenses and profit in 1891, the percentage being 54.39 as against 41.64 in 1890. As capital also decreased in the industry this profit and expense fund constitutes a larger percentage of capital invested it being 27.20 in 1891 as against 15.27 in 1890.

The next table relates to Cotton Goods.

### Cotton Goods. [Comparisons for 157 Establishments.]

Classification.	1890	1891	
Amount of capital invested,	\$114,947,374	\$117,933,102	
Value of goods made and work done (gross	****	****	
product),	\$90,063,203	\$89,857,630	
sumed in production,	\$52,290,260	\$52,253,505	
Industry product (gross product less value of	<b>4</b> 02,200,200	***************************************	
stock and materials),	\$37,772,943	\$37,604,125	
Wages (labor's direct share of product),	\$23,634,881	\$24,738,653	
Profit and minor expense fund (industry product			
less wages),	\$14,138,062	\$12,865,472	
Percentage of industry product paid in wages, .	62.57	65.79	
Percentage of industry product devoted to profit			
and minor expenses,	37.43	34.21	
Percentage of profit and minor expense fund of			
capital invested,	12.30	10.91	

The percentage of industry product paid in wages in this industry increased from 62.57 in 1890 to 65.79 in 1891; the percentage devoted to other expenses and to profit correspondingly declined from 37.43 to 34.21; in 1891 this fund constituted 10.91 per cent of capital invested as against 12.30 per cent in 1890.

The presentation for Leather follows:

Leather. [Comparisons for 154 Establishments.]

CLASSIFICATION.	1590	1891
Amount of capital invested,	<b>\$</b> 9,039,011	<b>\$</b> 8, <b>2</b> 12,735
Value of goods made and work done (gross product)	\$20,122,480	\$17,090,803
Value of stock used and other materials consumed in production,	\$13,959,611	<b>\$</b> 11,925,222
Industry product (gross product less value of stock and materials),	\$6,162,869	
Wages (labor's direct share of product), Profit and minor expense fund (industry product	\$3,144,285	<b>\$</b> 2,867,027
less wages),	\$3,018,584	\$2,298,554
Percentage of industry product paid in wages, . Percentage of industry product devoted to profit	51.02	55.50
and minor expenses,	48.98	44.50
capital invested,	33.40	27.99

In this industry, the percentages of industry product paid in wages were 55.50 in 1891 and 51.02 in 1890. The percentage of industry product devoted to profit and minor expenses is 44.50 in 1891 as against 48.98 in 1890. In 1891 the profit

and minor expense fund constituted 27.99 per cent of capital invested, as against 33.40 per cent in 1890.

The facts for Machines and Machinery next appear.

Machines and Machinery. [Comparisons for 263 Establishments.]

CLASSIFICATION.	1890	1891	
Amount of capital invested,	<b>\$</b> 24,537,451	<b>\$26,627,625</b>	
Value of goods made and work done (gross product),	\$25,212,841	<b>\$</b> 24,876,466	
Value of stock used and other materials consumed in production,	\$9,309,620	<b>\$</b> 8,870,851	
Industry product (gross product less value of stock and materials),.	<b>\$</b> 15,903,221	<b>\$16,005,615</b>	
Wages (labor's direct share of product), Profit and minor expense fund (industry product	\$8,652,828	\$8,962,322	
less wages),	\$7,250,393	<b>\$7,043,293</b>	
Percentage of industry product paid in wages, . Percentage of industry product devoted to profit	54.41	55.99	
and minor expenses,	45.59	44.01	
Percentage of profit and minor expense fund of capital invested,	29.55	26.45	

Again we note an increase in the percentage of industry product paid in wages, the advance being from 54.41 in 1890 to 55.99 in 1891. The percentage devoted to profit and minor expenses declines from 45.59 to 44.01. In 1891 this profit and minor expense fund was 26.45 per cent of capital while in 1890 it amounted to 29.55 per cent.

The next table relates to Metals and Metallic Goods.

Metals and Metallic Goods. [Comparisons for 277 Establishments.]

CLASSIFICATION.	1890	1891	
Amount of capital invested,	\$23,617,954	<b>\$25,</b> 805,602	
product),	<b>\$</b> 34,124,906	\$34,198,526	
in production,	<b>\$17,926,86</b> 0	<b>\$</b> 17,651,153	
stock and materials),	\$16,198,046	\$16.547,373	
Wages (labor's direct share of product), Profit and minor expense fund (industry product	\$8,548,999	\$8,829,038	
less wages),	\$7,649,047	\$7,718,335	
Percentage of industry product paid in wages, . Percentage of industry product devoted to profit	52.78	53.36	
and minor expenses,	47.22	46.64	
Percentage of profit and minor expense fund of capital invested,	32.39	29.91	

As noted in the preceding industry, the percentage of industry product going to labor in the form of wages exhibits an increase in 1891, this percentage being 53.36 while in 1890 it was 52.78. The fund remaining for the payment of other expenses and for profits declines from 47.22 per cent of the industry product in 1890 to 46.64 per cent in 1891. As capital was increased in 1891 this fund was 29.91 per cent of capital invested in that year as against 32.39 per cent in 1890.

We next introduce a table relating to Paper and Paper Goods.

Paper and Paper Goods. [Comparisons for 102 Establishments.]

CLASSIFICATION.	1890	1891
Amount of capital invested,	\$22,120,916	\$22,556,155
Value of goods made and work done (gross product),	\$25,219,222	<b>\$</b> 25,803,660
Value of stock used and other materials consumed in production,	<b>\$14,609,690</b>	<b>\$15,680,804</b>
Industry product (gross product less value of stock and materials),	\$10,609,532	
Wages (labor's direct share of product), Profit and minor expense fund (industry product	\$4,043,522	\$4,233,548
less wages),	\$6,566,010	<b>\$</b> 5,889,308
Percentage of industry product paid in wages, . Percentage of industry product devoted to profit	38.11	41.82
and minor expenses,	61.89	58.18
Percentage of profit and minor expense fund of capital invested,	29.68	26.11

Here again we find an increase in the percentage of industry product paid in wages in 1891, necessarily accompanied by a decline in the portion remaining for the payment of other expenses and for profit. Capital is slightly increased. The profit and minor expense fund constitutes a smaller percentage of capital invested in 1891 than in 1890. The percentages are as follows: 41.82 per cent of industry product was paid in wages in 1891 as against 38.11 per cent in 1890; the percentage devoted to the profit and minor expense fund was 58.18 as against 61.89, and this fund was 26.11 per cent of capital in 1891, while in 1890 it was 29.68 per cent of capital invested.

The next table relates to Woollen Goods.

Woollen Goods. [Comparisons for 138 Establishments.]

CLASSIFICATION.	1890	1891
Amount of capital invested,	\$28,271,436	\$27,835,204
Value of goods made and work done (gross product),	<b>\$</b> 31,151,139	<b>\$33,989,359</b>
Value of stock used and other materials consumed in production,	\$19,461,068	
Industry product (gross product less value of stock and materials),	\$11,690,071	
Wages (labor's direct share of product),	\$6,174,770	
Profit and minor expense fund (industry product less wages),	\$5,515,301	\$6,210,544
Percentage of industry product paid in wages, Percentage of industry product devoted to profit	52.82	51.58
and minor expenses,	47.18	48.42
capital invested,	19.51	22.31

In this industry a slight decline is noted in the percentage of industry product paid in wages, the percentages being 52.82 in 1890 and 51.58 in 1891. The change is very slight, and the percentages represent practically the same conditions in each year. The fluctuation is reflected in the percentage of industry product devoted to profit and minor expense, which becomes 48.42 in 1891 as against 47.18 in 1890. Less capital is returned in 1891 than in 1890. The percentage which the profit and minor expense fund represented of capital invested was 22.31 in 1891, while in 1890 it was 19.51.

The final table presents the facts as to Worsted Goods.

Worsted Goods. [Comparisons for 21 Establishments.]

CLASSIFICATION.	1890	1891
Amount of capital invested,	\$10,912,129	\$10,782,298
product), Value of stock used and other materials consumed	<b>\$</b> 15,350,196	<b>\$</b> 17,219,318
in production,	<b>\$</b> 10,448,643	\$12,220,984
stock and materials),	\$4,901,553	
Wages (labor's direct share of product), Profit and minor expense fund (industry product	\$2,927,448	\$2,973,680
less wages),	\$1,974,105	\$2,024,654
Percentage of industry product paid in wages, . Percentage of industry product devoted to profit	59.72	59.49
and minor expenses,	40.28	40.51
capital invested,	18.09	18.78

This industry exhibits greater uniformity than any of the others which have been presented. The percentage of industry product paid in wages was 59.49 in 1891, while in 1890 it was 59.72. The percentages devoted to profit and minor expenses were 40.51 and 40.28 in 1891 and 1890, respectively, and the profit and minor expense fund constituted 18.78 per cent of capital invested in 1891 as against 18.09 per cent in 1890.

The returns permit the following condensed general statements as regards the years 1890 and 1891, for the 3,745 establishments:

#### CAPITAL INVESTED.

The increase in capital devoted to production in 1891 as compared with 1890 amounted to 2.34 per cent. In Cotton Goods the increase was 2.60 per cent; in Machines and Machinery, Metals and Metallic Goods, Musical Instruments and Materials, and Paper and Paper Goods the percentages of increase were 8.52, 9.26, 5.48, and 1.97, respectively. In the establishments returned in Boots and Shoes, Carpetings, Leather, Woollen Goods, and Worsted Goods, on the other hand, slight decreases are reported, the percentages of decrease being 1.02, 2.76, 9.14, 1.54, and 1.19, respectively. In the ten leading industries is invested 64.33 per cent of all the capital returned in 1891 and in them is found 59.64 per cent of the industrial capital of the Commonwealth, as returned in the Decennial Census of 1885.

#### STOCK USED.

The increase in the value of stock used amounted to 2.77 per cent. In Carpetings, Paper and Paper Goods, Woollen Goods, and Worsted Goods the percentages of increase were 6.02, 7.33, 8.74, and 16.96, respectively. In the six other leading industries the value of stock used in 1891 was less than in 1890, the percentages of decrease being as follows: Boots and Shoes, 3.35; Cotton Goods, 0.07; Leather, 14.57; Machines and Machinery, 4.71; Metals and Metallic Goods, 1.54; Musical Instruments and Materials, 4.58. The value of stock used constituted 58.25 per cent of the aggregate value

of product in 1890 and 59.08 per cent of the aggregate value of product in 1891.

## GOODS MADE.

The increase in the value of goods made amounted to 1.33 per cent. With respect to the ten leading industries, a smaller product value for the year 1891 as compared with 1890 appears in Boots and Shoes, the decrease being 1.46 per cent; also in Cotton Goods, 0.23 per cent; in Leather, 15.07 per cent; in Machines and Machinery, 1.33 per cent; and in Musical Instruments and Materials, 4.55 per cent. On the contrary, a gain is noted in Carpetings of 15.99 per cent; in Paper and Paper Goods, 2.32 per cent; in Metals and Metallic Goods, 0.22 per cent; in Woollen Goods, 9.11 per cent; and in Worsted Goods, 12.18 per cent. The changes above noted are not very material except in Carpetings, Woollen Goods, and Worsted Goods in which the percentages of increase in output are considerable. In Leather the product value shows an equally sharp decline for the year. In the ten industries named is found 56.53 per cent of the entire product returned in 1891. These industries turned out 50.80 per cent of the entire product of the State as returned in the Decennial Census of 1885.

#### PERSONS EMPLOYED.

In 1890 the average number of persons employed in all the establishments represented was 287,900 and the average number of persons employed in the same establishments in 1891 was 292,866. This is an increase of 1.72 per cent in the average number employed. The number of persons employed at the periods of employment of greatest number was 322,288 in 1890 and 329,634 in 1891, showing an increase of 2.28 per cent; while the number employed at the periods of employment of smallest number in 1890 was 251,107 and in 1891 258.771, showing an increase of 3.05 per cent. The range of unemployment was slightly less in 1891 than in 1890, the number unemployed at some period of longer or shorter duration being 70,863 in 1891 as against 71,181 in 1890, a decrease of 0.45 per cent. In the ten principal industries previously mentioned a greater average number of persons was employed in 1891 than in 1890 except in Boots and Shoes and Leather,

which exhibit a smaller average number employed; but the increases or decreases in the averages are comparatively slight.

#### WAGES PAID.

The total amount paid in wages in the establishments represented in the 75 industries considered increased 2.65 per cent. In Carpetings the increase was 3.66 per cent; in Cotton Goods, 4.67 per cent; in Machines and Machinery, 3.58 per cent; in Metals and Metallic Goods, 3.28 per cent; in Paper and Paper Goods, 4.70 per cent; and in Woollen Goods and Worsted Goods, 7.15 per cent and 1.58 per cent, respectively. In Boots and Shoes, however, the total amount paid in wages decreased 3.75 per cent and in Leather, 8.82 per cent. average yearly earnings per individual, without regard to sex or age, employed in the 75 industries, were \$437.93 in 1890 and \$441.90 in 1891, an increase of 0.91 per cent. range from highest to lowest average yearly earnings was from \$676.35 to \$278.93 in 1890 and from \$687.76 to \$287.22 in 1891. The higher earnings ruled in the industries demanding greater skill and employing males chiefly and the lower in factory industries employing a large proportion of females and young persons.

#### PROPORTION OF BUSINESS DONE.

The average proportion of business done reached 70.27 per cent in 1890 and 69.27 per cent in 1891, of the full productive capacity of the 3,745 establishments compared.



# INDUSTRIAL CHRONOLOGY. 1891.

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# INDUSTRIAL CHRONOLOGY — 1891.

Adams. In January, Renfrew Manufacturing Co. started up looms which had been idle for past year. - Picker room of Plunkett Twine Mill damaged by fire. - Zylonite works closed; 700 persons out of employment; cause, consolidation with other establishments in the industry and removal from State. February. Negotiations proposed for location of shirt and collar factory at vacant zylonite works. March. The upper weave mill of the May. Adams Bros. Manufacturing Co. in-Renfrew Manufacturing Co. destroyed by fire. corporated; capital \$40,000. --- New wheel put in by Renfrew Manufacturing Co. Renfrew Mills shut down indefinitely : slack trade. July. Adams Bros. began construction of new dye-house. - Renfrew Manufacturing Co. started up on full time. - Shaw, Osborne, & Co. leased Allen Iron Works. - Linnett Manufacturing Co. of Newark, N. J., offered to locate shirt manufactory here provided town would build shop, boiler house, etc., at a cost not to exceed \$6,000, company to occupy the same rent free for five years, at end of which time to have privilege of buying or leasing buildings at a rental of seven per cent on the cost. ---- The seven set fancy cassimere mill of B. F. Phillips & Sons shut down. August. Linnett Manufacturing Co. held meeting, elected officers, and decided on new factory to be 50 x 100 feet, work on which began in September. October. New woodworking mill, 24 x 40 feet, two stories high, begun for Eli Reeves. --- L. L. Brown paper mill shut down owing to break in December. Stockholders of Berkshire Cotton Manufacturing Co. voted to increase capital stock to \$1,000,000 and to build new mill, 340 x 100 feet, four stories high, to contain 40,000 spindles. — A 35 horse power engine and 50 horse power boiler put in new plant of Linnett Manufacturing Co.

Amesbury. In January, reported that carriage shipments for 1890 were larger than any previous year. Total number shipped by rail, 18,789. — Kendall, Lunt, & Co. increased plant and added manufacture of wheels; ten more men employed. ---- Rand & Bryant added manufacture of express wagons to other vehicles. February. Factory of A. N. Parry & Co., carriages, sold at auction. March. Merrimac Hat Co. shut down for repairs. Hamilton Woollen Co.'s mill shut down for repairs. --- Power pulleys at Atwood Bros.' factory broke, delaying work. May. Colchester Mills incorporated to manufacture cotton goods. September. All mills of Hamilton Woollen Co. shut down owing to break in Mill No. 4. October. S. R. Bailey Co. made additions to factory. — D. J. Marston established manufacture of carriage hub blocks, using an automatic machine of his own invention. --- Merrimac Hat Co. increased force to 400 employés. - Locke & Jewell, carriages, and C. F. Pettingill, machine shop, damaged by fire. November. Nathan D. Dodge & Son Co., shoes, occupied the A. N. Parry factory, which had been refitted. --- Fowler & Heal, known as Eureka Seat Spindle Co., removed from Newfield, Me., in October and began manufacture of spindles; factory running - New saw mill of A. W. Bartlett started up and sawed its first logs; mill night and day .-December. Merrimac Hat Co. shut down for holidays. capacity, 20,000 feet per day.

Amherst. In February, leather-board mill of A. R. Cushman totally destroyed by fire.

April. The Hills Co.'s hat factory ran nights.

May. Leather-board mill of A. R. Cushman rebuilt with one-third greater capacity and started up.

June. The Hills Co.'s hat factory closed temporarily.

October. Carriage shop of A. W. Hall destroyed by fire.

Andover. In February, shops of Craighead & Kintz Manufacturing Co. lighted by electricity furnished by its own plant for the first time. *March*. Finishing room of Stevens Woollen Mill put on half time. *December*. Buzzell Hoslery Mill shut down indefinitely.—— C. H. Ingalls withdrew from firm of W. C. Donald & Co.—— W. H. Swift, Boston, purchased color and chemical business of W. C. Donald & Co.

Ashland. In March, T. M. Foote Regulator Co. leased factory and put in machinery to manufacture its own goods, these having previously been made by others under contract. June. Albert L. Coolidge, of Houghton, Coolidge, & Co., shoes, died, aged 59 years. T. A. Whitcher & Co., Quincy, leased factory of Houghton, Coolidge, & Co. to be occupied September. T. M. Foote Regulator Co. shut down indefinitely. January, 1892.

Athol. In February, A. F. Tyler purchased frame department of Kennebec (Me.) Frame & Lumber Co. and moved machinery to new addition. --- Athol Co-operative Furniture Co., organized 1879, sold its business, plant, and stock and petitioned to be dissolved. Actual business ended in 1889. May. Hapgood & Smith shut down temporarily while an addition to factory was being built. Seven match machines to be in operation. ---- Storehouse and mill of Stratton Bros. & Co. destroyed by fire. July. New building of Stratton Bros. & Co. finished and occupied. September. Cheney cotton batting mill leased to Goddard & Manning. November. Carpenters' Lumber Co., incorporated under Maine laws, organized for purchase of Chency mill property, to manufacture patent roofing and other specialties. --- Millers River Manufacturing Co. built one story structure,  $30 \times 50$  feet, for sewing room and storage purposes.

Attleborough. In January, fire occurred in packing room of Tappan, Berry, & Co.'s jewelry factory. February. Attleborough Gas Co. introduced new apparatus for manufacture of wood and oil gas, being the first in New England. March. New concern called Cooperative Manufacturing Jewellers organized for manufacture of novelties in plate and silver. - Hebron Manufacturing Co. changed work in weaving room from plain sheeting to three and five harness twill goods, and put in new plant of cotton openers and pickers. Dodgeville cotton mills introduced new system of picking and five new speeders, also lengthened out mules, and put in new boilers. October. Mossberg Manufacturing Co. began manufacture of thread winding machines in June, completing specimens this month. November. Wm. Coupe & Co. enlarged plant for manufacture of leather beiting. December. Foster & Nightingale's Mechanics Mill nearly destroyed by fire.

Avon. In January, Ephraim W. Littlefield, retired shoe manufacturer, died, aged 71 years. He began manufacturing shoes in 1857. May. L. G. Littlefield's shoe factory closed for two weeks, starting up again June 2. November. Geo. H. Burt & Co., shoes, shut down one week for inventory.

Ayer. In February, factory to be occupied by Geo. B. Brigham of Westborough, completed; 150 x 40 feet, four stories high, and equipped with shafting, belting, hangers, and automatic sprinklers, two boilers of 110 horse power each and a 100 horse power engine. Factory owned by town and leased for five years for \$500 per annum. June. Work begun on new saw mill 54 x 95 feet for L. W. Phelps; old mill to be used as box factory. — Tannery of Alley Bros. & Place closed on account of failure. July. Brigham's new shoe factory closed on account of strike of lasters. August. Union Furniture Shop damaged by fire and closed for a short time. September. Brigham's new shoe factory again in operation. Tannery of Alley Bros. & Place started up in part.

Barre. In March, Harwood Brothers sold farm and saw mill property to William H. Whall of Boston, for manufacture of piano cases. April. Thomas C. Rich Co. began manufacture of window blinds. --- New woollen mill of Crossley Manufacturing Co. completed and machinery introduced; main building 60 x 100 feet, two stories, with two ells 40 x 75 and 36 x 60 feet, respectively. September. Stock company organized to manufacture cotton-back plush in mill owned by J. Edwin Smith, to which addition will be built for accommodation of eight plush looms and other necessary machinery. November. Foundation of factory 100 x 45 feet begun; to be occupied by Birch & Dunbar for manufacture of piano cases. --- Cotton mill of J. Edwin Smith unable to run all its machinery on account of low water.

Becket. In June, Ballou & Son began erection of new basket factory by side of present mill.

Bellingham. In June, work suspended at Ray's woollen mill, starting up again in July. December. Machinery in Ray Print Works sold; to be replaced by satinet machinery and mill to be operated under same management as heretofore.

Beverly. In January, Board of Trade announced that, during 1890, it had built three brick factories at an expense of \$60,000 and a wooden one at an expense of \$10,000. These were all

leased for five years, employed nearly 500 persons, and increased taxable property of town over February. Peter E. Clark's new saw mill put in operation. March. Beverly Building Association sold building occupied by T. B. Adams Manufacturing Co. to that firm and voted to erect another brick shoe factory. ---- Addition to Porter factory completed. --F. B. Mower & Son, shoes, dissolved; F. B. Mower continued business. -- Seth Norwood Shoe Co. gave up system of lasting by hand and introduced six new lasting machines. Pedrick, Seavey, & Co., shoes, dissolved; business continued under name of Seavey & Co. October. John McGowan moved morocco business to Webber factory. — Addition made to plant of Masters & Walker, shoes. - John Wood, Jr., bicycles, opened department for boring barrels of sporting guns. -- Firm of David LeFavour & Son succeeded by Davis & Morgan. - Saw mill of Peter E. Clark damaged by fire. November. Factories damaged by fire: George H. Allen, boxes, Woodbury Bros., J. H. Baker, Millett & Woodbury, and Wallis, Kilham, & Bray, shoes. December. Woodbury Bros., shoes, decided to remove business to Dover, N. H., with exception of cutting room still to be operated in Beverly. ---- Grain mill of C. J. Baker damaged by fire.

Billerica. In January, grain mill of C. A. Holt & Co. destroyed by fire. August. Talbot Mills, flannels, shut down for one week.

Blackstone. In March, Lawrence Felting Mills shut down for annual inventory, also Woonsocket Rubber Co.; started up again middle of April. August. Evans & Seagrave's No. 2 woollen mill shut down for indefinite period. — Woonsocket Rubber Co. shut down for two weeks. September. Blackstone Woollen Co., Mill No. 2, started up with portion of its operatives. — No. 2 Waterford Mill shut down on account of slack business. October. Blackstone Woollen Co., Mill No. 2, started up in full. — Works of the Woonsocket Rubber Co. shut down for repairs. November. Portion of looms at Evans & Seagrave's mill run but four days a week. — Eighteen looms of the Blackstone Woollen Co. stopped: dull trade. — Blackstone Cotton Mills shut down on account of low water. December. Boot department of the Woonsocket Rubber Co. shut down on account of break in engine; one thousand employés affected.

Boston. [City Proper.] In January, Weeks & Potter, manufacturing druggists, incorporated as Weeks & Potter Co. - Morse Manufacturing Co. incorporated, capital stock, \$15,000, for manufacture of brass and iron bedsteads. --- Factory and stock of Appleton Boot & Shoe Manufacturing Co. sold at auction to Pietsch & Kimberly. ---- National Association of Woollen Manufacturers held its annual meeting. — Fires for the month: Henry M. Peyser, gloves; A. S. Cheever & Co., paper boxes; Holmes & Co., knit underwear; Joseph W. Smith, suspenders; and J. J. & T. J. Folan, chamber furniture. February. Henry Traiser, of H. Traiser & Co., cigars, died, aged 64 years. — Fires for the month: G. T. McLauthlin & Co., machinists; Holden Bros., furniture; and Boston Woven Wire Mattress Co. March. C. F. Chickering of Chickering & Sons, pianos, died, aged 63 years. - Fires for the month: Gorman Bros., files; Hindle Fish, boilers; Henry W. Bigelow, spring beds; Jean White, music printer; and Gibbs & Perry, novelties. April. Automatic Winder Co. organized to manufacture automatic winding machines. ---- Atlas Tack Corporation organized with \$700,000 capital stock to manufacture tacks, rivets, etc., and absorb the American Tack Co., Fairhaven; Dunbar, Hobart, & Co., Whitman; Loring & Parks, Plymouth; Taunton Tack Co., Taunton; and Albert Field Tack Co., Taunton. — The New England Cotton Manufacturing Association held its annual meeting. - John Ridgeway, calcium light, died, aged 46 years. - Rufus B. Stickney of Stickney & Poor, spices, died, aged 67 years. ——Samuel West, glass stainer, died, aged 64 years. --- Allen Bros., trunks, damaged by fire. May. Massachusetts State Board of Trade met and admitted the boards of trade of Fall River and Fitchburg. June. Fires for the month: Evans & Sons, manufacturing chemists; L. N. Fredericks, printer; and John C. Rand, July. Standard Stave & Cooperage Co. organized; capital stock \$400,000. — Fires for the month: Potter & Potter, publishers; Putz Pomade Co., metal polish; New England Brass Works; and H. E. Swift Manufacturing Co. August. Boston Blacking Co. reorganized and added new machinery. --- Waitt & Bond, cigars, began erection of new factory 90 x 42 feet, six stories high. --- Slattery & D'Arcy, sashes and doors, damaged by fire. -D. S. Walton & Co. sold business to National Folding Box & Paper Co. of Brooklyn, N. Y.; shop closed and machinery, etc., removed to Brooklyn. September. Goodyear Shoe Machinery Co. purchased and reorganized the Copeland Rapid Laster Co. to carry on business under name of Copeland Rapid Laster Manufacturing Co. - Factory of Thomas J. Graham & Co. damaged by fire. October. The Hobbs Manufacturing Co. leased factory in Worcester occupied by McIvers Bros. Machine Co., with intention of removing their business to that place. November. New foundry of Tripp Manufacturing Co. completed, to be operated December 1. - American Bobbin, Spool, & Shuttle Co. added to their business the manufacture of druggists' wooden sundries. --- Property of the Suffolk Cordage Co. turned over to National Cordage Co. Boston Steam Gauge Co. incorporated under Maine laws; capital stock \$100,000. —— Fires for the month: E. W. Miller, mouldings; Mellish, Byfield, & Co., chairs; Childs & May, furniture; William Bourne & Son, pianos; and Heliotype Printing Co. December. Wrought Iron Casting Co. incorporated; capital stock \$25,000. — New factory of the Emerson Piano Co. completed; building 65 feet deep, six stories high; engine house, boiler house, and six dry houses, all of brick and covering an area of 23,000 square feet. It is furnished with automatic fire alarm, automatic sprinklers, heated by hot air and lighted by electricity, and, including the lumber yard, occupies 68,000 square feet. —— Factory of Masten & Wells damaged by fire. [Brighton.] In March, bindery of Samuel Hano Co. destroyed by fire. May. Jas. O. July. Storehouse of Boston Whitten, proprietor Boston Glue Co., died, aged 57 years. Varnish & Chemical Co. destroyed by fire. [Charlestown.] In February, Barrett Bros. dye house damaged by fire. May. Fires for the month: A. D. Hall & Co., refrigerators; Page, Littlefield, & Co., stairs. [Dorchester.] In April, Beacon Lithograph Co. incorporated under laws of New Jersey and plant of Buffords' Sons Lithograph Co. purchased by them from July. Construction of two new factories begun by Walter Baker & Co., chocolate. [East Boston.] In January, Ebenezer Hodge of E. Hodge & Co., boilers, died, aged 61 years-February. Fire damaged carriage factory of William Gilchrist & Son. April. Lockwood November. Stimson Varnish Co. suspended Manufacturing Co. completed additions to plant. operations. --- Geo. M. Strong, check loops, died. [Roxbury.] In May, E. Howard Watch & Clock Co. reduced its working time one-quarter and its force by 100 persons. August. Fire damaged carriage shop of John Scott & Son. [South Boston.] In February, fires occurred in the factories of Oakman Manufacturing Co., glass, and Pierce & Son, shoes. June. South Boston Iron Works shut down for inventory. — Pratt Manufacturing Co. succeeded by Finders' Supply Co. in manufacturing button setters. — Shales & May's furniture factory destroyed by July. H. A. Williams Manufacturing Co. began erection of new factory for production of mill supplies; factory completed in September, 60 x 100 feet, six stories high. - Tripp Manufacturing Co. decided to locate new works at South Framingham. August. Putnam & Co.'s mattress factory damaged by fire. - Suffolk Manufacturing Co. retired from business. November. Erection of new buildings begun for the Bartholomay Brewing Co. of Rochester, N. Y., Never Slip Horseshoe Co., and Gorman File Co. [West Roxbury.] In March, the dyeing plant of F. P. Robinson Co. destroyed by fire. November. Cable Rubber Co. started up in full after a shut down of two weeks.

Bradford. In February, the new factory of Knipe Bros., shoes, nearly completed and machinery introduced. The main building, of wood, is 200 x 45 feet, three stories high.—

James T. Currier of Concord, N. H., purchased land and began erection of buildings for the manufacture of heavy express and delivery wagons; main building 40 x 60 feet, three stories high, and blacksmith shop 30 x 40 feet. March. Knipe Bros.' shoe factory dedicated. June. F. H. Poor began building shops, 50 x 200 feet, two stories high, for manufacture of steam pumps and shoe machinery. July. Knipe Bros.' shoe factory shut down for one week. November. Factory of Knipe Bros., shoes, started up in full.—Harrison Williams, shoe manufacturer, died.

Braintree. In January, Kinsley, Davis, & Co., shoddy, suspended operations. July.

The leather bleaching shop of A. B. Keith destroyed by fire. October. Columbia Rubber
Co. added new room to plant for the manufacture of rubber clothing. November. Jenkins
Manufacturing Co. added 60 new braiders and other machinery to mill. December. Rice &
Hutchins leased new factory for the manufacture of shoes.

Bridgewater. In January, Perkins Bros. built an addition to their wire nail mill, enlarged annealing furnace, and put in another pickling vat. February. Ferguson Bros. removed machine shop to Boston, Brighton district.

Brockton. In January, plans completed and operations begun on erection of shoe factory for Swedish Co-operative Boot & Shoe Co., to be 35 x 100 feet, four stories high. — Cochituate Box Toe Co. started new branch factory. March. New England Castor Co. organized to manufacture roller castors. — Myron L. Keith built machine shop for manufacture of shoe machinery. — Scandia Shoe Co.'s factory destroyed by fire. April. Royal Case Co., fancy leather goods, moved into larger quarters. — Eppler Welt Machine Co., capital stock \$600,000, organized. — B. F. Reynolds occupied new shoe factory. — Whitman & Keith began erec-

tion of shoe factory on site of recently burned shops, to be 40 x 200 feet, four stories high. -Fires for the month: Whitman & Keith, shoes; P. B. Keith, shoes; Mitchell & Millett, shoes; and E. M. Low, paper boxes; Mitchell & Millett, discontinued manufacturing. destroyed building and stock of Dow Manufacturing Co. June. C. A. Coffin & Co., shoes, increased capacity by moving the old Keith factory and connecting it with their own. July. Albert Barrows, shoes, built an addition to factory, 30 x 40 feet, two stories high. --- Nearly all of the shoe factories shut down for one week on account of slack trade. --- I. A. Beals Shoe Corporation disposed of stock, fixtures, etc., to a new company; plant removed to Holliston. Walker, Taylor, & Co., shoes, built an 88-foot addition to factory. August. Howard W. Reynolds, shoe manufacturer, died, sged 48 years. - The H. W. Reynolds factory ran out the stock on hand and closed entirely, owing to death of Mr. Reynolds. --- Holmes Bros. & Co. moved to this city from Bridgewater. --- C. L. Hauthaway & Sons, Boston, purchased business of Brockton Blacking Co. September. New factory of James Means & Co. completed and manufacturing begun; building is 192 x 37 1/2 feet, four stories high. Brockton Shoe Co. incorporated under Maine laws with capital stock of \$25,000 to operate the Copeland Shoe Factory. --- Factory of T. A. Norris Machine Co. enlarged. --- Factory of Edwin Keith, shoes, started up in full. - Reynolds, Drake, & Gabell shut down temporarily. -Factory of I. A. Beals sold to Emery M. Low, paper boxes. November. J. C. Tannatt started in business, manufacturing shoes. --- A. M. Herrod, shoes, shut down one week to take account of stock. December. Firm of Houghton, Coolidge, & Co. dissolved and factory closed. --- Shoe shipments for the year 1891 were 438,254 cases against 469,807 cases in 1890 a decrease of 31,353 cases or 6.67 per cent. The following table shows the shipments since 1880:

YEARS.					Cases	YEARS.							Cases	
1880,						189,490	1886,							361,584
1881,						218,726	1887,					•		<b>8</b> 83, <b>4</b> 04
<b>18</b> 82,						261,657	1888,						.	422,282
1883,						290,054	1889,						.	433,452
1884,						326,858	1890,							469,607
1885,					.	333,980	1891,							438,254

Brookfield. In January, Dufton, Richards, & Preston, satinets, closed mill, owing to financial complications.—G. H. Burt & Co., shoes, moved into new addition and ran factory overtime to catch up with orders on hand. April. The Forbes woollen mill, formerly run by Dufton, Richards, & Preston, sold at auction to the Ware Savings Bank. May. Work begun at the upper brick yard of the Parmenter Manufacturing Co. September. Brick kiln sheds of Parmenter Manufacturing Co. damaged by fire. November. Forbes Mill leased by Carpenter & Akers and manufacture of satinet begun. December. Building occupied by R. T. Grant, woollen yarn, and Israel Wedge, packing boxes, entirely destroyed by fire.

Cambridge. In January, the Cambridge Baking Co. incorporated; capital stock \$5,000. - Roberts Iron Works damaged by fire. February. The Kennedy branch New York Biscuit Co. began construction of new boiler house and chimney containing two 72-inch high pressure boilers and a double engine. — Leander Greeley, builder and contractor, died, aged 57 years. - Wm. Campbell & Co. occupied new factory 70 x 125 feet, with two story annex, 30 x 60 feet, adjoining. — J. H. Keenan's moulding mill enlarged. — An addition 40 x 65 feet erected to factory of American Rubber Co. - Carpenter shop of American Rubber Co. damaged by fire. April. The plant of Roberts Iron Works burned in January, rebuilt and work on product begun. --- H. F. Sparrow, confectionery, built new factory, 45 x 105 feet, four May. Robert Henderson, carriages, died, aged 85 years. June. Barbour, stories high. Stockwell, & Co. completed new plant consisting of foundry, 175 x 75 feet; machine shop, 100 x 50 feet, three stories high; and pattern storage house, 100 x 60 feet, three stories high, besides other outbuildings. July. John Blakie, boatbuilder, died, aged 56 years. Fires for month: Damon & Co., safes; Edward Kendall & Sons, machinists; Harvard Dry Plate Co.; and Fred. H. Holton & Co., copper (twice). October. John P. Squire & Co., pork packers, damaged by fire; portion of plant burned to be rebuilt. November. The rolling mills of Gilmore & Eustis discontinued operation .--- James C. Davis & Son, soap, destroyed December. The pottery works of A. H. Hews & Co. destroyed by fire; plant to be - George B. Clark, telescope maker, died, aged 65 years.

Canton. In January, foundation of new mill for Knitted Fabrics Co. laid. March. Crow Blacking Co. erected new factory, 40 x 60 feet. June. The new mill of Knitted Fabrics Co. started up:—Eureka Silk Manufacturing Co. reorganized as the Eureka Silk Co. with capital stock of \$626,000. August. Lexington Print Works decided on locating in this town. November. Stratton Bros., knit goods, decided to remove their plant to Stoughton.

Charlton. In June, two new looms added to C. W. Pikes' satinet mill.

Chelmsford. In March, Moore & Riddick leased old mill at Brookside and began alterations. June. Geo. C. Moore, wool scourer and manufacturer of carpet yarns, built new mill 125 x 40 feet and introduced two new 36-inch turbine wheels. July. Beaver Knitting Co., formerly John Byfield, incorporated with capital stock of \$25,000.

Chelsea. In March, Magee Furnace Co. destroyed by fire.

F. S. Rollins, window shades, partially blown down during gale.

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July. The Chelsea Pottery U. S. incorporated with capital stock of \$10,000.

August. Fire damaged chair factory of White, Holman, & Co.

December. The Salamander Brick & Tile Co. voted to increase capital stock from \$30,000 to \$50,000.

Chelsea Cordage Co. purchased plant formerly owned by Suffolk Cordage Co. and began manufacturing.

Chester. In March, F. S. Gross sold his granite quarries and plant to the Hudson & Chester Granite Works.

Chicopee. In January, stock company formed with capital stock of \$10,000 to manufacture trusses. --- Work begun on new shop for Taylor, Bramley, & Co., knit goods. --- Forty men added to force of machinists employed by Ames Manufacturing Co. - John R. Whittemore, agricultural tools, died, aged 69 years.— J. H. Hoague, machinists' tools, purchased new factory to accommodate growing business.— Fire damaged cloth room Dwight Manufacturing Co., cotton goods. February. New engine house Dwight Manufacturing Co. completed; the engine of 1,000 horse power, compound, with two cylinders. - Lamb Knitting Machine Manufacturing Co. began manufacture of bicycles. April. Fire damaged picker room and weave room of No. 1 and No. 2 mills Dwight Manufacturing Co. May. New factory of Taylor, Bramley, & Co., knit goods, completed and occupied; building of brick, 65 x 50 feet, three stories high. Twenty-five knitting machines set up and fifty persons employed. July. Slight fire occurred in picker room, No. 2, Dwight Manufacturing Co. August. Ames Manufacturing Co. shut down ten days for repairs and annual inventory. ---- Stevens Arms Co. shut down owing to breaking of engine cylinder. September. Additions and improvements made to plant of Chicopee Manufacturing Co. October. A new factory, 50 x 86 feet, built by Overman Wheel Co. for manufacture of rubber tires. ---- Overman Wheel Co. shut down temporarily. November. Low water caused several stoppages at mill of Chicopee Manufacturing Co. December. Dwight Manufacturing Co. damaged by fire; portion of plant burned to be rebuilt.

Clarksburg. In November, Hayden & Bratton bought grist mill of F. W. Wellsby.

——Fire partially destroyed the drying house of the Linwood Mills; to be rebuilt.

Clinton. In January, Ridgeway Furnace Co.'s buildings leased by Leominster Worsted Co. February. Clinton Gas Light Co. completed new brick building for electric light plant.

— Lancaster Mills changed carding system from American to English, and introduced new pickers and fly frames. — Work begun on new engine and boiler house for Leominster Worsted Co. March. Plant leased by Leominster Worsted Co. to be run by this company under name of Clinton Worsted Co. Twenty-five new looms put in and new engine and boiler house, 27 x 34 feet, constructed. May. Lancaster Mills broke ground for new building 115 x 155 feet, four stories high. July. Bigelow Carpet Co. shut down for two weeks for vacation and repairs. August. Brick addition made to Clinton Woollen Mills. October. Two years' lease taken of old counterpane mill by Smith, Barr, & Co. for manufacture of linen thread. November. Machinery in new mill of Lancaster Mills Co. set up. December. Bigelow Carpet Co. began to run full time.

Concord. In March, Damon Manufacturing Co., fiannels, placed 11 sets of cards on tennis cloth. August. A.B. Black sold carriage factory to A.H. Harrington. October. Damon Manufacturing Co. shut down temporarily. December. Product of Damon Manufacturing Co. changed from fiannels to dress fabrics.

Conway. In October, Delabarre Woollen Mills shut down for balance of year.

Dalton. In February, Smith's grist mill shut down on account of washout in bank of reservoir. March. C. E. Bradley purchased half interest in G. J. Jordan's machine shop; firm to be known as Dalton Machine Co. April. Lasting department Dalton Shoe Co. ran nights to complete orders. June. New foundry of Dalton Machine Co. completed. July. Weston's Centennial Mill shut down 3d for repairs and started up again 14th.—Weston's Defiance Mill shut down for repairs and setting up of two new boilers; started up again in August. August. Jas. B. Crane, paper manufacturer, died, aged 74 years. His father, Zenas Crane, established, in 1799, the first paper mill in Berkshire county. September. Foundry of Dalton Machine Co. turned out castings for first time.—Z. & W. M. Crane shut down for vacation. October. The rag room Crane & Co.'s mill shut down on account of broken shaft.—Old Berkshire Paper Mills shut down for repairs. December. Weston's Paper Mill shut down temporarily.

Dana. In February, Thompson & Haskell's portable steam saw mill set up in Grover's wood lot and lumbering begun. March. Southworth & Doane leased hat factory of N. L. Johnson and began manufacture of palm leaf hats. — Henry W. Goodman & Co., palm leaf hats, damaged by fire. September. Crawford & Tyler, woollen goods, shut down for repairs. October. Hat factory of Henry W. Goodman & Co. enlarged and new machinery put in.

Danvers. In February, Cross & Murphy's morocco shop damaged by fire twice. March. Reynolds & Avery, heels, moved into new factory. April. Aldus & Sargent, heels, moved into factory formerly occupied by W. A. Maguire. —— B. Bernard & Co., morocco, enlarged factory which was built for them in 1890; another boiler and more limes and soaks were put in, doubling capacity. July. Citizens of the Centre decided to build a factory, 45 x 100 feet, two stories and basement, for E. & A. Mudge Shoe Co., to induce firm not to move to Maine as contemplated. —— New brick kiln added to plant of Edward Carr. September. The shoe firm of Crosby, Huckins, & Co. dissolved; J. E. Crosby & Co. continued. December. Nathaniel Glover & Co., shoes, dissolved; Nathaniel Glover continued under same firm name.

Dedham. In March, fire damaged slipper factory of Geo. W. Gaston; rebuilt. April. Geo. W. Gaston's new factory destroyed by fire.——Chas. L. Harding, principal owner Merchants Woollen Co., died, aged 77 years. June. Norfolk Mills shut down indefinitely. July. Merchants Woollen Co. shut down 1st to rebuild dye-house; started up again 31st in part, running 75 of its 129 looms.

Deerfield. In August, factory of Nonotuck Pocket Book Co. destroyed by fire. October. Nonotuck Pocket Book Co. moved to Northampton.

Dennis. In September, Casey Bros. Shoe Manufacturing Co. sold to W. B. Bowne. December. West Dennis Shoe Co. incorporated; capital stock \$24,000.

Douglas. In June, W. E. Heywood & Co. built addition, 30 x 40 feet, three stories, to woollen mill. — Work of removing machinery of Underhill Edge Tool Co. from Nashua, N. H., begun.

Dudley. On July 1, Stevens Linen Works shut down for four days, starting up in full on the 6th.

Easthampton. In January, decided by Williston & Knight, buttons, to move its ivory button works from Bridgeport, Conn., to this town. Work laid out for new factory 134 x 44 feet, three stories high. February. Glendale Elastic Fabrics Co. sold to Easthampton Elastic Web Co. its mill, boarding house, and six tenements. May. The Webster & King silk mill which had been idle for nearly three years, sold at auction to A. B. King, member of old firm, who also purchased, in March, the machinery from the New York owners. The mill to be started up on other forms of silk manufacture than dress goods, the former product. June. Williston Cotton Mills suspended operations. September. Williston & Knight, buttons, built storcroom in rear of new mill. December. Williston Cotton Mills sold at auction to G. H. Seelye of New York.—Easthampton Gas Co. bought plant of People's Electric Light Co. and built brick building adjoining gas works for electric light station.

Everett. In March, fire destroyed woodworking mill of Henderson Bros. December. Additions made to foundry at West Everett.

Fairhaven. In April, Fairhaven Iron Foundry Co. incorporated; capital stock \$20,000.

May. American Tack Co. sold to Atlas Tack Corporation.

August. American Tack Co. shut down permanently.

Fall River. In January, Weetamoe Mills reported that \$3,168 had been expended for new machinery during 1890. --- Report of Slade Mills showed outlay of \$12,341 in improvements and new machinery in 1890. --- New engine recently put into the Borden Mills in successful operation. — New machinery added to the new Globe Yarn Mills and roof completed. — J. W. Foster, superintendent of spooling with the Fall River Machine Co., purchased spooler business of that company and removed to Springfield, to manufacture spools, etc. --- Ashworth Bros., Manchester, Eng., accepted the terms of the Globe Yarn Mills for seven acres of ground upon which to erect machine shop. - Bourne Mills' officials issued circular inviting overseers and employés to join with them in establishment of savings bank in connection with profit sharing scheme, the idea being to open an account with any employé who would like to save part of wages earned; any sum, from five cents to \$50 being placed to his credit at the rate of not less than 5 per cent interest. When amounts accumulated to sum of \$100, accounts must be settled and each employé may receive his money or have it deposited, in his name, in any savings bank he may desire, and a new account opened. --- Overseers and operatives of Bourne Mills received their share of the profits for the past six months. The number benefited was 406, and \$1,275.44 divided; smallest amount paid to any individual was 88 cents, and the highest was over \$14. Weavers received from \$2 to \$6 apiece, and speeder tenders drew as much as \$5 and as little as \$2.50. — Print cloth statistics for 1890 as follows: Production for the year, 9,937,000 pieces; stock on hand at close of year, 583,000 pieces; sales, "odds," 3,876,000 pieces; 64 x 64's, 4,524,000 pieces; 60 x 56's, 184,000 pieces; total, 8,584,000 pieces; sold for future delivery at close of year, 1,540,000 pieces. The average prices during year were as follows: 64 x 64's, 3.34 cents; 60 x 56's, 2.96 cents; the average price of goods less than any year since 1886, and stock on hand three times greater than average of preceding five years. — The Wampanoag Mills shut down, owing to a break in engine; King Philip Mills on account of a scarcity of filling; and the Fall River Hat Factory for stock taking and addition of new machinery. February. During 1890 Shove Milis paid \$13,075 for new machinery. --- The Troy Cotton Mills added 10,000 new spindles to plant. — Barnaby Mills filled the addition recently built with about 200 new looms. engine, 1,200 horse power, added to Davol Mills; the main shaft weighed twenty tons .-Repairs on the Wampanoag Mills engine completed; all spinners, for first time in six weeks, at work. --- Cornell Mills shut down on account of strike among weavers. March. Stockholders of Globe Yarn Mills voted to increase capital stock from \$900,000 to \$1,200,000.— American Print Works replaced wooden dye-house vats with iron ones. ---- Wampanoag Mills ordered plans for new weave shed, capacity of 500 looms; ground broken and work begun.---I. Harris purchased shoe manufacturing establishment of C. H. Colby & Co., and began manufacture of misses and children's shoes. --- Circular issued to employés of Bourne Mills to the effect that profit sharing would be discontinued after July 1 unless employés were interested enough to buy an "Employé's Saving Fund Account Book" whether they deposited or not, and any employé making a deposit before May 1 should receive a book free. These books to contain an interest table at 5 per cent, a printed contract, blank pages for accounts, and also a record for wages and for semi-annual dividends paid on wages. — The picker room of the Granite Mills was partially destroyed by fire. — The following shutdowns on account of repairs were noted during the month: Globe Yarn Mill No. 2; Stafford Mill No. 2; Wampanoag Mill No. 1; and Border City Mill No. 3; while the Robeson Mills shut down on account of a strike of 11 spinners, who complained of too high speed, resulting in a cut down in wages. White Shoe Co. organized; plans for new factory completed. — The Robeson Mills began arrangements for improvements in plant, to include new engines, new boiler house, new boilers and the building of a chimney 175 feet high. -- New weave shed to contain 1,500 looms. built by Durfee Mills. Mill managers adopted payments by hour and graded the product of each May. Extension to Globe Yarn Mill No. 2 completed and machinery set up. employé. Wampanoag Mill No. 1 and Pocasset Mills added new machinery. --- In Granite Mill No. 2 the section of looms engaged in weaving prints shut down for an indefinite period; while the Metacomet Mills closed to make repairs on engines. — Fire partially destroyed the picker room in Granite Mill No. 2. June. Fall River Mill Supply Co. leased its building and machinery to Bronson & Austin, who continued the business. --- The following shutdowns noted during month: Barnaby Mills closed for few days; American Linen Mill closed for repairs; and the Shove Mills closed indefinitely on account of strike among weavers. --- Fire destroyed Border City Mills Nos. 1 and 2 and partially destroyed the picker room in the Hargraves Mill. --- Foster H. Stafford, president and agent of the Stafford Mills, died, aged 77 July. Flint Mills removed section of narrow looms to be replaced by looms to weave - A new concern, known as the Consolidated Metallic Fastening Co., secured the assets of the Bay State Shoe Fastening Co.; new organization will not only continue the business but will give stockholders in the late Bay State Co. until August to pay in and receive share for share. — Owing to a clerical error made in 1889, spinners of the King Philip Mills were paid less than earned; error just discovered and operatives received back pay for that period amounting to 44 cents per week. - Bourne Mills declared semi-annual dividend to their employés of 31 per cent of their wages; profit sharing continued. --- Wyoming Mills started up. --- Granite Mill No. 2 shut down because of accident to engine. --- American Print Works closed for annual inventory and general cleaning up. --- Fire destroyed 600 bales of cotton in the yard of Seaconnet Mills. August. Hargraves Mills voted to build a two-story addition to plant 120 x 42 feet, to contain looms and office. — The Jesse Eddy Manufacturing Co. made improvements in their dye-house. — The Durfee Mills built new weave shed  $112 \times 200$ feet, to accommodate about 1,200 looms. - Weavers in Osborn Mills notified that after September 1 the graded system would be adopted in fixing payment for weaving. The Border City, King Philip, and Barnaby mills now working under same system. ---- Wyoming Mills shut down on account of over production. --- Fire partially destroyed twine mill of J. H. Estes & Son. - Edwin Shaw, director of the Tecumseh and King Philip Mills, died, aged 75 years. September. Merchants Mills started up after shutdown of several days. ---Robeson Mills shut down to make some changes and improvements; new boiler set, an economizer added, and a new boiler house built. --- A pulley in each of the Sagamore Mills broke, causing a stoppage of machinery. --- Fire caused damage in card room of Osborn Mill No. 2. — William C. Cornell, a member of the firms of D. H. Cornell & Son, and D. H. & W. C. Cornell, beef and pork packers, died, aged 37 years. October. New machinery added to works of Fall River Hat Co. - The following amounts paid during 1890-91 for improvements and new machinery: Robeson Mills, \$14,607; Wampanoag Mills, \$76,750; Union Mills, \$25,000; Barnard Manufacturing Co., \$9,167; and Merchants Mills, \$36,332.— Directors of Hargraves Mills decided to build addition to mill four stories high instead of two as originally planned. ---- Weavers at Barnaby Mills had wages increased. — Shove Mills began to manufacture fancy cotton goods. - New 350 horse power engine put in by Fall River Electric Light Co. - Robeson Mills started up after being shut down several weeks for repairs. - A number of mills obliged to shut down on account of low water. - Durfee Mills Nos. 1 and 3 shut down for repairs, and Weetamoe Mills closed for week. November. Pocasset Manufacturing Co. recently built office and made improvements in mill. --- A. G. Thurston & Son added new plant for manufacture of plate rolls and general mill machines. — The dyers of Barnaby Mills received an increase of wages of \$1 a week. - The picking and carding departments of Wampanoag Mill No. 1 overhauled and new flat cards and pickers put in. --- New boiler added to Border City Mills .--Following amounts paid during 1890-91 for improvements and new machinery: Hargraves Mills, \$25,400; Flint Mills, \$7,593; and Border City Manufacturing Co., \$40,000. - Fire slightly damaged Troy Mills. December. Wampanoag Mills received an instalment of Russian Jews who were taught weaving. --- Ground broken for new weave shed, 400 x 180 feet, for King Philip Mills. --- All wide looms in Bourne Mills replaced by narrow ones. --- Algonquin Print Works started up with about 100 hands; works comprise two main buildings, 170 x 60 and 120 x 50 feet in size. — A gale blew down the 130-foot chimney of Conanicut Mills and demolished a shed over 100 feet long belonging to Globe Yarn Co. - Mill of Jesse Eddy Manufacturing Co. closed to allow time for change in styles. — Low water caused a partial shutdown at the Davol, Robeson, Tecumseh, Durfee, and Union Mills. — During the year, 85 out of 2,155 looms stopped for 19 weeks at mills of Merchants Manufacturing Co. - Annual cloth statement showed production of 9,985,000 pieces as against 9,937,000 pieces in 1890. Stock on hand 90,000 pieces as against 583,000 pieces in 1890. Sales of the year were 8,838,000 pieces as against 8,584,000 pieces in 1890. There were 1,375,000 pieces sold for future delivery as against 1,540,000 last year. Earnings of cotton mills in 1891, as shown by annual dividends, were \$479,920 less than in 1890, the figures being \$1,428,370 paid out to stockholders in 1890. Total capital stock on which dividends were paid in 1891 was \$16,540,000, and the average dividend was 5.78 per cent, or \$948,450. Out of 38 corporations seven paid no dividends.

Fitchburg. In January, cotton waste mill of Rodney Wallace partially destroyed by fire. February. Thorn Medicine Co. moved from Vermont to this city. — Fitchburg Shirt Co. began manufacture of shirts at premises formerly occupied by W. S. Rice. March. Mitchell Manufacturing Co. organized for manufacture of Scotch ginghams; company an offshoot of the Glasgow firm of A. M. Mitchell, Jr., & Sons. — Mill "A" of Parkhill Manufacturing Co. put in and started up 72 new looms. — Orswell Mills began erection of extension to present building four stories high, extending east about 200 feet, with tower like present one. April. Ground broken for new mill of Mitchell Manufacturing Co.; building to be \$50 x 54 feet, two stories, and engine and boiler house 92 x 40 feet. — Fitchburg Paper Co. added a Fourdrinier paper machine, with rag engines, also 100 horse power engine, and boiler; capacity doubled.

-Fitchburg Shoe Tip Co. removed to new quarters and increased capacity. —— Fire partially destroyed building occupied by M. Webber as planing mill; S. N. Weston, reed maker; J. M. Ballou, saw filer; and J. L. Stratton, machinist. May. Foundation of Mitchell Mill completed and brick work begun. June. Iver Johnson & Co. purchased plant of the Walter Heywood Chair Co. to be used for manufacture of bicycles and firearms; plant consists of three buildings, one two-story brick building 300 x 50 feet, two storehouses 100 x 50 feet, office 75 x 50 feet, stable, and five acres of land. Factory has capacity for 1,500 men. - Ground broken for building of Fitchburg Engine Co.'s new plant. July. A. C. Caswell began manufacture of his new machine in factory of L. C. Albee. - Batters set and work begun on foundations of drop forging and blacksmith shop of Iver Johnson & Co. - Fitchburg Paper Co.'s Mill No. 1 started up after a week's shutdown for repairs. --- B. M. Pitts, cotton yarn, shut down to August. Addition, 193 x 54 feet, built to Wallace's No. 3 Mill. repair water wheel. tember. Addition to Orswell Mills completed and machinery set up; mill to contain about 15,000 spindles, and used for making fine yarn. — Iver Johnson & Co., revolvers and bicycles, moved their machinery from Worcester to this city. --- Beoli Mills shut down to allow employés to attend fair. - Samuel E. Crocker of Crocker, Burbank, & Co., paper manufact-October. Putnam Machine Co. reduced time to eight hours daily, from urers since 1863, died. 7.30 A.M. till 4.30 P.M. - Mitchell Manufacturing Co. started up. - Fitchburg Paper Co.'s Mill No. 3 shut down for repairs; another machine put in and capacity increased. McTaggart's Woollen Mill with an extra set of hands ran overtime. December. Fitchburg Duck Mill laid foundation for storehouse, 40 x 100 feet; capacity 1,200 bales of cotton. --Ground broken for new shop, 35 x 80 feet, for Fitchburg File Works. --- New dye-house built for J. Wingrin, formerly dyer for Parkhill Manufacturing Co.

Foxborough. In October, a new factory 100 x 50 feet built, to be used as a dye-house.

Franklin. In June, C. J. McKenzie shut down his four-set satinet mill for an indefinite period, on account of ill health. December. The Saxon Worsted Co. ran mills until 10 o'clock, five nights in the week. — The McKenzie satinet mill started up after a shut down of six months.

Framingham. In February, Pará Rubber Shoe Co. shut down owing to over production in the heavier grades of rubber goods. March. New factory built by A. Fales & Sons. May. Work resumed at Pará Rubber Shoe Co. July. Tripp Manufacturing Co. of Boston decided to locate new works at South Framingham, to erect a factory 340 x 60 feet. --Work on foundation of new Saxonville Mills begun. September. The Pará Rubber Shoe Co. formally notified South Framingham Manufacturing Co. that it would buy buildings occupied by it for past ten years. --- Pará Rubber Shoe Co. shut down for indefinite period. October. Gregory & Co. built one story addition to their shoe factory, 40 x 40 feet, for office and salesroom. - A knitting plant for manufacture of elastic stockings and other specialties, established by C. J. McPherson. - Benjamin F. Coburn, 64 years old, treasurer of November. Gregory & Co., shoes, succeeded by Gregory, Gregory & Co., shoes, died. Shaw, & Co.

Freetown. In November, N. R. Davis & Sons raised gun factory one story and put on Mansard roof; capacity increased one-third.

Gardner. In January, Frank Smith, silversmith, shut down ten days for repairs and in-February. Wright & Read, chairs, dissolved; business continued as Wright, Read, & Co. — Heywood Bros., chairs, shut down for repairs. — Henry C. Knowlton of A. & H. C. Knowlton, chairs, died, aged 58 years. March. Chair works of S. K. Pierce & Son enlarged by erection of new building 45 x 108 feet, three stories high. April. Foundation laid for another engine at Richard's pulp mill. --- C. F. Richardson entered into partnership with Henry Hadley under firm name Hadley & Richardson, pails and woodenware, and began June. Blount Manufacturing Co. leased portion erection of three story addition to factory. of Conant & Bush's factory for manufacture of door and window springs, etc.; additions made to plant so that factory was 36 x 130 feet, two stories high. September. Ames Merrill of Heywood Brothers & Co., died, aged 55 years. December. Works of Wentworth Spring & Axle Co. destroyed by fire. - John R. Conant, of Conant, Ball, & Co., chairs, died.

Georgetown. In July, fire destroyed ice house of Andrew M. Abbott. December. G. W. Chapin & Co. increased plant 75 per cent and added a new line of shoes to product.

Gloucester. In March, Lewis H. Merchant, box manufacturer, died, aged 42 years.—Board of Trade received proposition from Day Cordage Co. of Cambridge to establish cordage factory here. October. Cape Ann Anchor Works erected new machine shop 120 x 35 feet, and added new automatic machinery, including 120 horse power engine and rough turning lathes.—Richardson, Howe, & Lovejoy of Boston leased quarters for manufacture of womens, misses, and children's underwear and wrappers; 114 machines run by electricity to be used. December. A. B. Noyes Shoe Corporation shut down on account of so many employés being ill with influenza.

Grafton. In January, James Paton of Johnstone, Scotland, leased factory in order to establish American branch for manufacture of shoe laces. --- New shoddy company rented mill of Crocker Emery Works. - J. W. Putnam, retired shoe manufacturer, died, aged 89 years. March. Basement of Gibbs & Allen's boot manufactory flooded with water. April. A portion of machinery set up in new shoe laces mill leased by James Paton. ---- Forbush & Brown, shoes, started up on full time after a shutdown, during which repairs were made. ---- Hubley's shoddy mill damaged by fire. August. Currying shops of A. & A. Bigelow and L. W. Dodge & Son closed on account of surplus leather on hand. October. Entire plant of Fisher Manufacturing Co. in operation, including the 200 new looms lately put in. --- Forbush & Brown, shoes, started up for the fall and winter trade. — Currying shops of L. W. Dodge & Son and A. & A. Bigelow shut down for indefinite period. November. Pratt Manufacturing December. Farnumsville Cotton Mill shut down Co., cotton, shut down for repairs to boller. for a few days.

Great Barrington. In February, Everett Woollen Co. added a story to its weave room. July. Everett Woollen Co. closed mill for two weeks' vacation and repairs. September. Everett Woollen Co. shut down to allow help to attend fair. December. Building of Monterey Creamery Corporation destroyed by fire; to be rebuilt.

Greenfield. In January, new mill of Wiley & Russell Manufacturing Co., cutlery, completed; building of brick 140 x 45 feet, two stories high. February. Cutler, Lyons, & Field, shoes, began erection of new factory, 176 x 36 feet, three stories high. March. David Davidson purchased brickyard of G. J. Knights. June. Cutler, Lyons, & Field moved into new factory.

— Towle Manufacturing Co., silversmiths, shut down for annual inventory. July. Wiley & Russell Manufacturing Co. shut down for inventory and repairs. September. F. A. Rugg built a 55-foot extension, two stories high, to his wood work shops and a wing 10 x 45 feet. December. Cutler, Lyons, & Field, private firm, incorporated as "Cutler, Lyons, & Field Incorporated" for manufacture of shoes and foot wear; capital stock \$75,000; ground broken for another factory adjoining present new factory, giving room for employing 100 additional hands.

Hadley. In June, grist mill of William Phillips damaged by fire.

Hardwick. In June, extension to paper mill of George W. Wheelwright begun. September. Addition to mill of George H. Gilbert Manufacturing Co. begun; one building of brick 40 x 90 feet, two stories high, to be used for carbonizing purposes, and another, three stories high, for spinning.

Haverhill. In January, Chick Bros.' factory started up on nine-hour time, having run one month on eight-hour time. - Perley A. Stone moved into new factory . - Factory of Friedman, Jennings, & Stevens, shoes, flooded by rains; one hundred and fifty workmen temporarily idle. - New shoe factory of J. H. Winchell & Co. dedicated; building of brick 200 x 75 feet, seven stories high, with flooring space of 86,000 square feet. - E. S. Woodbury & Lefavour, shoes, discharged all bottomers. February. Factory of Thomas S. Ruddock & Co. damaged by fire; work to be resumed. - Charles S. Kendrick, shoe manufacturer, died. March. New factory of Gale Shoe Manufacturing Co. completed; to furnish employment for 275 hands and have a capacity of 3,000 pairs slippers daily. - J. H. Winchell & Co., shoes, shut down portion of factory operating on turned work. --- New firm known as Sawyer Shoe Co. incorporated and manufacturing begun in factory vacated by A. S. Currier. - J. H. Winchell & Co. leased shoe factory at Exeter, N. H., with intention of moving portion of business to that point .- Factory occupied by E. S. Woodbury & Lefavour shut down temporarily for repairs. — Levi C. Wadleigh, Jr., of L. C. Wadleigh & Sons, lasts, died. Elliott, & Co., shoes, shut down for three days. --- E. E. Parker and J. H. Kimbali started in business, manufacturing women's shoes, under name of E. E. Parker & Co. - Shoe contracting business of N. Provost & Co. purchased by C. H. Heath. — Tenney & West started manufacture of tongmes, tips, facings, and leather trimmings. ---- Machinery of Knipe Bros. transferred to new buildings at Bradford. - E. S. Woodbury & Lefavour began moving portion of business to Salem. - Field, Thayer, & Co., shoes, shut down their cutting department on account of dull trade. - The Pentucket Flexible Inner Sole Co. organized to manufacture heels, rands, and flexible inner soles. — A. F. Smith, shoes, Lynn, leased factory of Hoyt, Dow, & Kennedy for five years and will move portion of plant here, retaining factory in Lynn. May. Gale Shoe Co. moved into new factory and operations begun; building of brick 100 feet square and six stories high. --- Factory of W. B. Thom & Co., wool hats, started up in full. - Sewall F. Prescott, shoe patterns, and George W. Mitchell, shoe manufacturer, died. June. Oulton Manufacturing Co. formed under laws of State of Maine, capital \$50,000, to manufacture sofa beds and adjustable chairs and couches. — Spaulding & Swett removed to new factory. - Stockholders of the Exeter (N. H.) Building Association, met and decided to erect a new brick shoe factory, to be leased by Gale Bros. of this city, for ten years at 4 per cent. Kelly Bros. voluntarily made working time on Saturday eight hours without reduction of pay. --Factory of J. H. Winchell & Co. shut down indefinitely. - Firm of Jennings, Friedman, & Stevens, shoes, dissolved; Jennings & Stevens to continue manufacturing in New Hampshire. - Ira F. Twombly, heel manufacturer, died. --- Building occupied by J. H. Durgin & Son and J. W. Greenlay & Sons, shoes, damaged by fire. August. Portion of Gale Bros.' factory leased by N. F. Gorman. - Gale Bros. gave notice to owners of their factory that they would vacate November 1 and occupy new factory erected for them in New Hampshire. ---- Factory of J. H. Winchell & Co. started up. — Hodgdon & Sargent removed to new quarters in the Hoyt, Dow, & Kennedy building. — Newton G. Miles, heels, died. September. Smith & Bixby sold out heeling department to Walter Fay. - Jennings & Stevens, shoes, removed October. N. F. Gorman removed to block of Gale Shoe Manufacturing to Epping, N. H. Co.; the five floors vacated by him leased by F. E. Hutchins. --- Stock and machinery of W. W. Spaulding, shoes, damaged by water from faucet left open all night. --- New last factory operated by Perry G. Savels & Co. November. New Hampshire factory of J. H. Winchell & Co. shut down not to be used as a shoe factory again. — W. F. Chase & Co., shoe manufacturers, dissolved; business continued by F. B. Hall. — Charles J. Twombly & Co. who succeeded J. F. Twombly added hard shanks to heel manufacturing business. - Work resumed at factory of Field, Thayer, & Co. which was shut down two days to take account of stock. - Blake Bros. shut down portion of factory while taking account of stock. - Emery & Holmes, shoes, removed from Taunton and occupied quarters in the new Thom shoe fac--J. H. Winchell & Co. shut down temporarily.——Appleton & Tuck leased portion of shoe factory vacated by Gale Bros. --- S. Prescott Bradiey and Edward T. Merrill, shoe manufacturers, died. — Perry Messenger & Co., novelty woodworkers, and John N. B. Green, boxes, damaged by fire. December. New heel factory completed to be occupied by Day & Waldo. — Shoe shipments from Haverhill for 1891 were 307,585 cases as against 319,196 for 1890; a decrease of 11,611 cases, or 3.63 per cent. — H. Davis & Co., slipper manufacturer, of Kennebunk, Me., began moving plant to Haverhill. --- Since January 1, 1891, there have been erected 181 wooden structures of which 15 were for stores or shops, the remainder being dwelling houses or tenements. Eight brick buildings built, five for mercantile purposes, one for a warehouse, one for a factory, and one for electric power station. One iron warehouse and two churches have been built. The total construction for the year is 192. The number erected in 1890 was 236.

Hingham. In February, William C. Wilder of the firm of Crocker, Wilder, & Son, woodenware, died.

Hinsdale. In March, T. F. Pyn rented part of Plunkett Wool Co.'s mill for the manufacture of woollen yarn. June. Hinsdale Bros.' woollen mill shut down for repairs.

Holbrook. In June, factory of Thomas White & Co. started up after a shutdown of three weeks. ——Factory of Whitcomb & Paine closed indefinitely: dull trade. July. Factory of Edmund White started up after a week's shutdown. October. Factory of Whitcomb & Paine started up in full. November. E. Wales Thayer, shoe manufacturer, died. ——Shoe factory of Thomas White & Co. damaged by fire. December. J. W. Porter & Co. retired from business. ——Shoe shipments for the year were 61,902 cases as against 76,902 in 1890, a decrease of 15,000 cases, or 19.51 per cent.

Holliston. In November, new shoe factory of the I. A. Beals Co. dedicated and machinery set up. December. Ewing Bros. renewed lease of Holliston Blanket Mill for five years; mill closed two weeks to take account of stock.

Holyoke. In January, B. F. Nichols Belting Co. incorporated; capital stock \$40,000. Plush mill of Chadwick & Chadwick shut down indefinitely. --- A company known as C. H. Bellamy Marbled Paper Co., formed to manufacture marble paper under new process .-Winona Paper Co. shut down indefinitely. February. Plush mill of Chadwick & Chadwick sold to syndicate. --- The Franklin Paper Co. shut down for a few weeks during the placing of machinery in new addition. --- Nonotuck Paper Mill idle on account of break in water wheel. - Parsons Paper Co. put in new perfecting machines and introduced a new specialty in the form of buff sermon paper. --- Machinery for new addition to mill of the Connecticut River March. Machinery moved into new mill of Farr Alpaca Co. - Portion of Chadwick Mill started up; product to be plush for lap robes and cheap furniture covering; capital stock of the new company is \$25,000. - Deane Steam Pump Co. moved into new establishment and business started up in full. The plant consists of five brick buildings, the first of which, 50 by 80 feet, is used for offices and also contains the drafting room; it is connected by means of a bridge to the pattern store house, 106 x 38 feet, three stories high. Another building, 177 x 34 feet, contains testing room, boiler room with two 80 horse power boilers, engine room and blacksmith shop. In the rear of these buildings is a large foundry, 194 x 76 feet, two stories high. The main machine shop is 259 x 80 feet, two stories high. All these buildings are supplied with private tracks, and machinery can be started from the foundry and by means of turn tables switched through the yard directly into the machine shop near the lathes and planers. The Chemical, Newton, and Excelsior paper mills obliged to shut down on account of high water; it rose two feet in twelve hours and backed up into raceways so as to interfere with water wheels. - Contract given for a new building for the Lyman Mills Corporation; to be 84 x 150 feet, five stories high. April. Goddard Machine Co. sold to H. O. Sorkness and Radford Stockbridge of Worcester, for the manufacture of machinery and machine tools. -A 1,200 horse power plant for the Holyoke Electric Light Co. completed by D. F. Coghlan, machinist and boiler maker. --- The work of bricklaying begun on new Lyman Mill .time schedule adopted at the Merrick Thread Mills; hours arranged so as to permit half holiday on Saturday. --- New boiler shop started at Holyoke by the firm of Long & Walsh. --- Goddard Machine Co. put in new milling machine, new lathes, and other machinery. — Landers Bros. begun work on new building for the Farr Alpaca Co., to be 150 x 24 feet, and used as a warp dyeing department. - Hampden Glazed Paper Co. made improvements at its South Holyoke mills. — Holyoke Envelope Co. began on new schedule of time; the works to start at 7 A.M. and Saturday to be half holiday. --- Oil tanks which supplied the furnaces of the Farr Alpaca Co. taken out, it being found less expensive to use coal. - David F. Coghlan, steam boiler May. New machinery put in by the Albion Paper Co. manufacturer, died, aged 62 years. - Whitmore Manufacturing Co., paper, shut down on account of breaking of a pulley,-Improvements begun on consolidated plants of the Crocker Manufacturing Co. and the Dickinson & Clark mill; two new penstocks, 10 and 7 feet, respectively, put in, and new finishing room 175 x 45 feet built. New head gates to be put in during the July shutdown and a large water wheel to be substituted for three small ones in use at present. ---- Worthington Paper Co. incorporated. --- Manufacture of emery grinding machines begun by Horton Machine Co. -Norman Paper Co. incorporated; capital stock, \$200,000. Work on new buildings begun on following plan: Four water trunks, three of 91/2 feet diameter and one of 71/2 feet; the dam to have a fall of 12 feet; three 20-foot water courses, water being discharged from second to third level canal; four horizontal water wheels, two used for driving engines, one for calenders and one for finishing room. Engine room to be 300 x 50 feet with basement containing twelve washing engines, and a steam engine of 400 horse power to propel these engines in case of low water. The machine room to be 180 x 60 feet to accommodate two 80-inch Fourdrinier paper machines. The calender, finishing, and cutting rooms each to be 100 x 60 feet and rag sorting department to be 150 x 40 feet, three stories high. Boiler house to contain six steam boilers for heating and drying purposes. Two hundred and fifty hands to be employed. June. Mills of Winona Paper Co. sold at auction to Moses Newton of Holyoke who will organize new company and put mills into operation. --- The weave room shaft of the Lyman Mills broke and work temporarily stopped. — William Skinner Manufacturing Co, silk, shut down two weeks for repairs. July. Horton Machine Co. added new machinery to plant and increased number of employés. - Operations begun at mill of Winona Paper Co. by new organization known as Chemical Paper Co., No. 2. - Germania Mills started up after two weeks' shutdown. --The Keating Wheel Co. incorporated under laws of State of Maine; capital stock \$200,000. The business at Westfield to be conducted at full capacity until new factory is completed at Holyoke when entire plant will be transferred to this city. ---- William Skinner Manufacturing Co.'s silk mill started up on full time. August. Hampden Envelope Co. petitioned Supreme Court for dissolution. --- Work on the new Keating Wheel factory begun. --- F. F. Carpenter leased leather-board mill at Westbrook, for manufacture of tissue paper. Firm to be known as

Westbrook Paper Co. - Beebe & Webber shut down for repairs. - Watson Ely & Son moved into new factory. September. Portion of the looms at the Beebe & Webber mili stopped: dull trade. - D. Mackintosh & Son Co. enlarged plant by erection of new building 114 x 30 feet. --- Connecticut River Lumber Co. started up after two weeks' shutdown. -Germania Mills started on winter time schedule. October. On account of an insufficient supply of water following mills run on short time: Lyman Mills, D. Mackintosh & Son Co., Parsons Mill No. 2, and G. R. Dickinson Mill. — Addition to Farr Alpaca Co.'s dye-house completed and occupied. - Finishing department of Parsons Paper Co. Mill No. 1 shut down to put in new machine. November. New brick addition, 178 x 45 feet, occupled by Crocker Manufacturing Co. — The Coburn Trolly Track Co. leased building formerly occupied by Deane Steam Pump Co. - Work begun on addition to plant of Holyoke Machine Co., 50 x 150 feet, two stories high. — Owing to rapid fall of water Holyoke Water Power Co. restricted its use to fifty per cent. — Connecticut River Manufacturing Co. shut down on account of broken shaft .--- Paper mill of Syms & Dudley purchased by Nonotuck Paper Co. December. Improvements made at Lyman Mills; buildings were pushed as far as the old walls and filled with machinery. The old buildings to be removed and an extension 160 x 100 feet built. The water power increased to 400 horse power. —— An artesian well put into the mill yard of the Valley Paper Co. - Brick drug house three stories high built by D. Mackintosh & Son Co. — Keating Wheel Co. began moving machinery into the new Whitcomb building.

Hopedale. In March, plant of Hopedale Elastic Fabric Co. purchased by W. F. Draper and started up in full; property consists of brick mill,  $265 \times 50$  feet, three stories high, six two-tenement houses, 260 square rods of land, all machinery, electric light plant, together with all manufactured goods and stock on hand in mill and dye-house. July. Hopedale Machine Co. began brick addition to old shop  $60 \times 40$  feet; also two story shop erected,  $100 \times 160$  feet, for new machinery. — The Elastic Fabric Mill shut down one week; started up again in full in August.

Hopkinton. In December, William's box mill closed on account of dull trade. — N. P. Coburn retired from business and partnership existing between Claffin, Coburn, & Co. dissolved; the consequent changes in management, to take effect January 1, 1892, are as follows: Factory at South Framingham to be conducted under the firm name of Gregory, Shaw, & Co.; factory at Hopkinton under the name of Crooks, Root, & Co., and the A. Coburn factory at Hopkinton conducted under the firm name of Coburn, Gauss, & Co.

**Hubbardston.** In March, the lock-corner box department of the H. W. Howe mill purchased by W. H. Kendall and Frank J. Blood; possession taken April 1, and business carried on as W. H. Kendall & Co. September. Howe's lumber mill damaged by fire.

Hudson. In April, Hobbs Manufacturing Co. of Boston leased the plant of the Woodward Manufacturing Co. for the production of shoe and box machinery. October. Hobbs Manufacturing Co. decided to remove entire plant to Worcester and occupy establishment recently vacated by Vaill Chair Co. — Shoe factory of Carter & Tate sold at auction; to be occupied by A. P. Martin & Co. for the manufacture of shoes. December. Factory of A. P. Martin & Co. shut down. — New looms added to elastic webbing mill of Thomas Taylor.

Ipswich. In January, Farley & Daniel's shoe factory shut down for two weeks. August. The Ipswich Mills shut down for ten days.

Kingston. In November, new machinery put into factory of C. Drew & Co. —— Factory of E. Hurd & Co. shut down owing to lack of water.

Lancaster. In January, shoddy mill of F. Simester burned.

Lawrence. In January, Pacific Mills began re-arrangement of machinery to make room for new spinning equipment for the manufacture of fine worsted yarn. — New spinning machinery and looms added to plants of Washington and Arlington Mills; additional persons employed as fast as machinery could be operated. February. Slight fire occurred in the Lawrence Duck Mill. — Burnham & Page, leather, completed for Arlington Mills a belt 225 feet long, 40 inches wide. March. Collins Bros.' broom factory damaged by fire. — Atlantic Mills gave trial to new pattern revolving top flat card. — Pemberton Mills increased wages of operatives in spinning department. — Arlington Mills notified weavers of 12 per cent reduction in wages. — Many mills obliged to shut down certain departments owing to high water in Merrimack River, the

back water stopping the wheels. April. Emerson Manufacturing Co. enlarged its machine shop. --- Atlantic Mills introduced a new "purifier" for purpose of purifying drinking water for its employés; 100 new wide looms for weaving seamless sheets also put in. --- Republic Mills dissolved by order of Superior Court. ---- Washington Mills gave up manufacture of ladies' suitings for purpose of devoting plant to manufacture of men's goods and woollen and worsted yarn. --- Brown & Ackroyd formed partnership for manufacture of woollen dress goods; thirty looms put in to start with. July. Pemberton Mills shut down for three weeks for purpose of putting in new water wheels. August. Shareholders of Washington Mills Co. voted to pay in new capital to amount of \$1,015,000. --- Russell Paper Co. added new 100 horse power engine to plant. November. New machinery put into Faulkner Mill by M. F. Hartley of Boston, to be used as a wool scouring establishment and operated by Hartley Wool Scouring Co. -- Improvements made at Arlington Mill and boilers covered with fireproof protector. - Merrimack Valley Felt & Woollen Co. suspended operations. December. Work begun on foundry and machine shop by E. W. Barton for manufacture of paper mill machinery. — Lower Pacific Mills added 300 new looms. — The Wright Manufacturing Co. shut down indefinitely: dull trade. --- New engine and boiler put into works of Fred Byron, successor to James Byron, brass founder. - Spinning and weaving rooms of Arlington Mills shut down on account of prevalence of the grip among operatives. --- The Pacific, Arlington, Atlantic, Washington, Pemberton, and Everett Mills and Lawrence Duck Co. shut down for Christmas holidays.

Lee. In February, Arabian Food Co. leased Decker Paper Mill for manufacture of food. - E. P. Tanner's machine shop shut down indefinitely. March. Housatonic Paper Mill sold to W. H. Eaton of New Haven, Conn. May. Morley Paper Co. purchased the May & Morin paper mill and began reconstruction of plant. June. Clark & Spencer purchased machine shop and foundry of E. P. Tanner, closed since January, and began operations. August. Gross Bros., stone, started with full force after five days' shutdown. --- Eagle Paper Mill shut down for repairs; new stock of calenders were placed and a new wheel-case built in flume. September. Finishing and store sheds of Gross Bros.' marble quarry damaged by fire. October. Work of moving débris begun at quarry of Gross Bros. preparatory to reconstruct. ing plant with increased facilities. - Boiler and engine added to shops of Thistle Wire Co. November. Morley Paper Co. shut down mill at East Lee on account of low water; advantage taken of shutdown to put in new steam engine. December. Housatonic Mill started manufacturing paper under firm name of Eaton, Dikeman, & Co. - Additions and improvements made to the following manufacturing plants during 1891: Gross Bros.' saw mill, Pray & Sons' marble works, Smith Paper Co.'s Valley Mill, Columbia and Eagle Mills, Housatonic Mill, Clark & Spencer's machine works, Morley Paper Co., and Thistle Wire Co.

Leicester. In January, Lakeside Manufacturing Co., private firm, incorporated; capital stock, \$30,000. February. J. & J. Murdock, card clothing, resumed operations after four weeks' shutdown. July. E. G. Carlton & Son's mill started up after a two months' shutdown, during which time a new water wheel and new looms were put in. —— George W. Olney's woollen mill at Cherry Valley shut down for improvements and repairs.

Leominster. In February, fire damaged machine shop of John Mather, button factory of Herbert Davis, and works of Willard Screen Plate Co. March. E. M. Rockwell, woollen goods, added several new sets of cards and discarded weaving plant, intending to manufacture yarn exclusively. Wool drying machines and an electric light plant also introduced. During July a tower was built in which the stairs were placed, thus gaining more factory room. September. Smith & Baker purchased plant of American Boot and Shoe Co., Stoneham, and removed to that town in October. October. Improvements made to plant of Wheelwright Paper Co.—W.S. Reed Toy Co. purchased Leominster Furniture Co.'s plant, to which portion of their business was removed.—Leominster Plano Case Co. retired from business.

Lexington. In March, Lexington Print Works changed from private firm to corporation, with capital stock of \$25,000.

Littleton. During January, Avery Lactate Co. completed repairs on factory.

Lowell. In January, experiment made in Tremont and Suffolk Mills of burning petroleum for fuel. — White Bros. & Co., tanners, reduced employés to three-quarters time. — Fire damaged Hamilton Print Works. — Lamson Store Service Co. shut down two weeks for repairs. — Fires kindled for first time in furnace of new foundry of Doherty Bros. February. American Bobbin, Spool, & Shuttle Co. purchased business of J. L. Chency & Co.

White Bros. & Co., tanners, began running on full time again. —— Samuel L. Butman, harnesses, died, aged 59 years. March. Massachusetts Mills began running nights, and picker rooms of Boott Mills and Lawrence Manufacturing Co. ran overtime. --- Whittier Cotton Mills ran entire plant evenings until ten o'clock. ---- Engraving department and print works of Merrimack Manufacturing Co. shut down temporarily, owing to overstocked market .-Lowell Machine Shop completed contracts for 150 looms for Massachusetts Mills and 100 for Boott Mills. — High water affected several mills, causing operatives to work nights to keep up with orders. --- Main shaft of Boott Mills broke and portion of the operatives temporarily - Saturday half holiday went into force at Merrimack Print Works, beginning a month earlier than usual. — Alvin Marshall, furniture, died, aged 76 years. — W. P. Edwards, iron castings, sold out; foundry partially destroyed by fire in April, and re-purchased by Edwards April. By purchase of Coburn Shuttle in November: repairs made and business resumed. Co. the American Bobbin, Spool, & Shuttle Co. secured building leased by Pickering Knitting Co. who were notified to vacate. Latter company shortly after began construction of new brick mill, 168 x 50 feet, four stories high. — Four printing machines at Merrimack Manufacturing Co. stopped on account of dull market. — Fire damaged cotton mill of John M. Pevey. — Following notice posted in various mills: "Weavers who carelessly or wilfully make imperfect cloth may expect to be discharged without notice at the discretion of the overseer." ---- Several looms in Lawrence Mills discontinued running; hosiery department increased. — White Bros. & Co., tanners, introduced novelty in leather, having a number of hides printed on calico machines. - J. L. Jacques of J. S. Jacques & Co., shuttles, died. May. Howard Stocking Co. moved into larger quarters. — Massachusetts Mills began foundation for new mill. — Tremont & Suffolk Mills put in number of new patent revolving flat cards. — New brick foundry of Atherton Machine Co., replacing one destroyed by fire, completed; main foundry 150 x 60 feet; brass foundry, 30 x 22 feet; core room, 30 x 22 feet; annealing room, 18 x 22 feet. — United States Bunting Co. increased motive power by two new 400 horse power water wheels. ---- Repairs made at foundry of Lowell Machine Shop. June. Crossley Manufacturing Co. removed to new mill erected at Barre. - United States Bunting Co. leased the Walsh Worsted Mills. Walsh leased another building and began manufacture of yarn as private individual. M. Stover, shoes, removed factory from Haverhill. --- New mill of Pickering Knitting Co. completed. - Merrimack Manufacturing Co. began erection of three-story brick storehouse, 100 feet long. — Fire damaged color shop of Merrimack Manufacturing Co. — Faulkner and Middlesex Mills adopted new system of payment to weavers, cloth being divided into three grades. August. Richard Dobbin's boiler works destroyed by fire; as soon as insurance was adjusted work of rebuilding begun. --White Bros. & Co., tanners, began erection of additional factory 117 x 33 feet, four stories high. --- A new concern called Eagle Foundry Co. began manufacture of iron and brass castings. — Addition to dye-house of Faulkner Mills begun. Board of trade closed contract with new firm for manufacture of worsted fabrics, to occupy October. Work begun at new slipper factory of Twombly, Rouleau, the Coram building. & Co. who removed from Haverhill. --- Massachusetts Mohair Plush Co. incorporated, capital stock \$75,000, to manufacture furniture and car plush in the Coram building. ---- White Bros. & Co., tanners, occupied part of their new building. - Box factory of Frank P. Cheney damaged by fire. November. Hamilton Print Works shut down for two weeks. of plant of Wamesit Steam Mill Co. damaged by fire. December. Carload of cotton consigned to Massachusetts Cotton Mills damaged by fire. - New graded system of payment for weavers adopted by Massachusetts Cotton Mills. — S. L. Wagner, washing machines, died. - Moxie Nerve Food Co. sold all its business to Wm. Taylor & Co., retaining only its franchise in Maine; intention declared of closing out all its business as a corporation.

Ludlow. During June, preparations made by Ludlow Manufacturing Co., twine and bagging, for construction of new brick mill, 212 x 70 feet, four stories high in front, and six in rear.

Lynn. In January, Thomson-Houston Co. began putting machinery in new factory "L."—Chas. D. Pecker & Co., shoes, set cutters at work in new factory.—Chas. E. Blake & Co.'s shoe factory damaged by fire. February. New machine for carving wood, marble, or metal exhibited for first time by National Carving Co., an organization incorporated with capital stock of \$250,000. The machine is described as follows: Upon a standard rests an arm, at one end of which is the knife or carver, at the other end a guiding pin. This arm is so adjusted that as the pointer glides over any portion of the model it acts upon the knife in such a manner as to cut into the object to be carved the exact features of the model. Over and against the arm are two large plates of iron upon which, as before stated, are fastened the models and the blocks to be carved. These rotate in the same direction until the work is complete one

way; then the arm is moved so that the operation can be repeated in the opposite direction, to get features not touched the first way. The guide regulates the ploughing, and the knife or carver cuts only where it should. Work can be done on the carver from a cameo to life or heroic size, and anything carvable can be worked. --- Chas. E. Blake & Co., shoes, resumed work in cutting and stitching departments. --- Washington Boot & Shoe Co. decided to move to Nashua, N. H. --- Work begun at shoe factory of G. W. Herrick & Co. --- Riverview Shoe Manufacturing Co. formed, with capital stock of \$100,000. March. New rounding and edging machine set up in factory of A. M. & J. H. Preble, shoes. Machine is small, consisting of an upright, supporting a horizontal shaft, at either end of which are arranged cutters. On the left hand side is the sole rounding portion. Revolving on the shaft is a knife disc which is faced by a second revolving disc bearing a set of small rand knives as well as large cutting knives. This disc fits into a revolving cap which bears and forms a guard. By a screw treadle the width of the surface of exposed cutting knife is regulated. The soles, heavy outer or flexible inner, are held against these blades as they revolve, and trimmed down to the desired form. On the end of the horizontal shaft, at the right, is the portion for feather edging, a revolving disc, bearing an array of knives, so set as to turn out a beveled edge. By changing the knife head, the sole can be taken down in the shank, under the channel, an improvement on the old style of hand edging machine. This cutting head also fleshes the inners to an even thickness and leaves it ready for a welt or a turn. The machine also does sole cutting; the tin or zinc pattern which accompanies the last is taken, and on either side are placed wooden strips, following the outline of the pattern. The soles, one pair of heavy outer, or three or four pairs of flexible inner, are placed on this pattern. The projecting metallic edge acts as a guide, the soles are pressed against the revolving knives, and in this manner cut. Two persons can work on the machine, and it was stated that a man and boy could round out and feather-edge forty cases of flexible inner soles in a day. --- New factory started by Bancroft & Frasier for the manufacture of pearl buttons. - G. A. & E A. Mansfield, shoes, moved into new factory. - New machine for levelling soles placed in factories of G. W. Herrick & Co. and Placide Hebert. Claimed by inventor to save operatives the laborious part of levelling by taking the shoe and placing it under pressure, automatically, there to remain until another shoe is prepared, when by a pressure of the foot, the second shoe takes it place under pressure, the first being released and passed forward for the operator to remove. During the first two days in use it levelled thirty 60-pair cases a day. — A. B. Martin, Jr., of A. B. Martin & Co., shoes, died, aged 25 years. Mower & Son, shoes, shut down preparatory to change in firm. — The strike and lockout which began Aug. 12, 1890, ended by strikers voting to allow men to seek for work in any of the morocco manufactories except that of John T. Moulton. ---- Geo. F. Knowles & Co., shoes, sold business to J. R. Towle & Co. of Northwood Narrows, N. H., to which place machinery, etc., was moved. ---- Nichol & Bishop began manufacture of lasts in addition to soles and upper patterns. --- H. Y. Emery, Murphy Bros., and Shillaber & Co., shoes, and A. B. Hoffman, leather, moved into new and enlarged quarters. - A. F. Smith, shoes, leased new factory in Haverhill and moved portion of plant; Lynn factory continued. --- New machine for skiving heels finished and placed in factory of J. B. Renton. It occupies about the same amount of room as a sewing machine. An eight-inch cylinder, with fourinch face, is speeded to suit the convenience of the feeder, and at each revolution three heels have been placed on the cylinder face and carried to a stationary knife. The heel is carried backwards to the knife, and is firmly held by a nipper until a half-inch or threequarter inch three-cornered portion of the heel is skived off. The heel then drops into a barrel and the skivings are conveyed to another receptacle. The machine is adjustable, and will skive a heel of any size. A feature of the new invention is the fact that if double heel stock is used on the machine a diagonal cut is made of the stock and two skived heels are manufactured without the slightest loss of material. The capacity was about 12,500 pair of heels per day, with one man or boy to operate. --- Work begun upon new factory of Skinner & Scott, wheels, to be 131 x 60 feet, four stories high. — O. A. Phillips' machine needle factory destroyed by fire. — Amos T. Stocker retired from business. May. New factory for Harney Bros. begun. --- Hand Method Finishing Machine Co. sold patent and plant to Reece Buttonhole Machine Co. of Boston. — Geo. E. Barnard Co. chartered for manufacture of boots and shoes; capital stock, \$200,000. — D. A. Donovan & Co., shoes, allowed employés Saturday half holiday until October 1, with pay. --- Brown & Atherton, shoes, removed to new factory. -Fire damaged planing mill of A. J. Hall. — William A. Kelley, morocco, died, aged 71 - Balcom & Young started in business, manufacturing women's shoes. per Shoe Co. succeeded to business of Lucy B. Tupper. --- Varney & Hayes closed factory at Milton Mills, N. H., and removed to Lynn. — Williams, Plant, & Co., shoes, dissolved; Thos. G. Plant continued. A new factory leased and work begun at once. — Swain, Fuller, & Co., shoe machinery, incorporated as Swain-Fuller Manufacturing Co. - C. H. Damon, patterns, removed to larger quarters. - James Purinton died. He was one of the few who first intro-

duced machinery into the manufacture of boots and shoes in 1862. July. Thomson Electric Welding Co. closed for stock taking. — Jones, Curtis, & Towne, shoes, dissolved; business carried on by J. L. Towne & Co. - Thomas Bros. & Porter, shoes, dissolved. - Consolidated Adjustable Shoe Co. of Salem, began erection of factory, 73 x 106 feet, three stories high. A. P. Legro & Co., shoes, discharged all employés and dissolved partnership. —— Fires for the month: P. W. Cloran, cigars; John Carniff, shoes; A. P. Legro & Co., shoes; and Lovell & Enton, shoes. August. Tripp Giant Leveler Co. purchased entire plant of Cutcheon & Johnson, and increased capital stock to \$160,000. — Hurley, Fenerty, & Co., shoes, dissolved. — H. G. Connor, shoes, moved into new factory, 75 x 125 feet, three stories high. ---- A. M. & J. H. Preble, shoes, took new quarters. - V. K. & A. H. Jones, shoes, closed factory at Hampton, September. Harney Bros.' new shoe factory dedicated .-N. H., and removed to Lynn. Nichol & Bishop, last manufacturers, dissolved; each continued alone. — Granite Shoe Co. organized for manufacture of women's shoes. - M. H. Whittredge, shoes, enlarged plant. Dickinson, Caunt, & Co., shoes, dissolved; business continued by James Dickinson under old firm name. — William C. Wheeler, tacks, and L. B. Russell, treasurer of Russell October. Davis Shoe Co. succeeded by new corporation called Davis Counter Co., died. Boot & Shoe Co. - The business of Houghton & Godfrey, shoe manufacturers' supplies, continued by F. H. Houghton. - The Thomson-Houston Electric Co. began running on winter time schedule. — Hupper & Hudson, shoe racks, dissolved; E. A. Hupper continued. — Business of C. M. Howard, shoes, organized into a stock company and incorporated with capital stock of \$20,000 as Granite Shoe Co. This company absorbed the business of V. K. & A. H. Jones. New factory of the Consolidated Adjustable Shoe Co. occupied and business moved from Salem where it had been carried on since the fire in 1889. —— Sawyer & Chase, carriages, reduced wages of employés and the working time from ten hours to nine: dull trade. ---- W. E. Blanchard & Co., shoes, established in Lynn. ---- A. P. Legro & Co., shoes, re-commenced manufacturing at old factory recently vacated by Harney Bros. - Benjamin H. Dorman, shoes, November. John B. Earp admitted to firm of F. A. Kollock & Logan, died, aged 53 years. shoes; new firm known as Kollock, Logan & Co. - Charles B. Tebbetts, shoes, moved to Lynn from Seabrook, N. H. - Factory of J. C. Bennett, at West Lynn, leased by Hoag & Heath, shoes, who removed from Newburyport. ---- American Shoe Co. succeeded by Brophy Bros. Shoe Co. — National Electric Brush Co. incorporated; capital stock, \$500,000. — Ober & Walker leased portion of Strout's block for manufacture of women's shoes. Branch of Bostou Welt Machine Co. organized to carry on business as the European Welt and Turn Machine Co. - A new portable milling machine designed by one of the foremen of the Thomson-Houston Co. to face up the castings of generators is described as follows: A circular disc revolves upon a spindle, its outer edge being supplied with tools to do the cutting; an inner disc revolves on another spindle so arranged that it goes 120 times a minute, while the outer tools are revolving but ten, the proportion being the same owing to the reduced diameter of the inner disc. This tool is suspended on the inner side of the castings and is said to accomplish in five hours the work done on a planer in four days. ---- Shoe factories shut down for Christmas holidays. --- M. F. Hutchings & Co. started manufacture of shoe tips and leather remnants. - Firm of Corcoran, Callahan, & Co., shoes, dissolved. - Charles F. Coffin, shoes, died. aged 72 years.

Lynnfield. In February, Henry Law, shoes, closed factory owing to accident to machinery.

Malden. In March, John Collins began erection of building to be occupied as knitting factory. April. Tate & Co., picture cord, added to its business the manufacture of window cord.

— Boston Rubber Shoe Co. shut down for stock taking and repairs. May. Fire damaged varnish works of Howard H. Paul. September. Goulding Waste Factory leased to J. H. Lind, formerly superintendent at the Cochran Carpet Mills, for manufacture of carriage carpets.

— Sandpaper factory at Edgeworth started up. October. W. H. Farnham, last manufacturer at Stoneham, formed a copartnership with George W. Badger and moved to this city; business to be conducted under the style of Boston Last Co.; manufacturing begun in November. December. Massachusetts Wire Co. organized with capital stock of \$25,000, to draw and cover all kinds of magnet or other wire.

Mansfield. In February, new 75 horse power engine set up in Chilson Stove Foundry.

August. Hat factory of Comey & Co. damaged by fire.

Marblehead. In January, shoe factory and equipment of late J. H. Orne sold. — Seavey & Williams succeeded to shoe business of Wm. H. Day. —— Franklin Millett, shoes, shut down for

week, and Eben F. Richardson & Co., shoes, suspended operations indefinitely. The Harris factory building repaired and new shafting put in preparatory to being occupied as shoe factory. --- Merrill & Tucker made additions to shoe factory, increasing capacity. --- Titus Bros., shoes, built a third story addition to factory. --- F. A. Parker & Co., shoes, began work April. Russell Chase began manufacture of shoes. --- R. B. Harris moved his shoe manufacturing business from Salem and occupied the old Harris factory vacated by F. W. Breed in 1890.— The Sparhawk shoe factory sold. May. Franl began manufacture of shoes. July. I. M. Munroe began manufacture of shoes.— May. Frank Mitchell Brown, 2d, Geo. Hooper, 2d, J. B. & W. T. Litchman, shoes, shut down factories for one week. August. Chadwell Tucker occupied part of Parker's new shoe factory. September. F. Hooper crected small shoe factory. October. E. W. & E. F. Mower moved from Salem into new shoe factory here. November. John Lancy, Jr. and I. M. Monroe, shoe manufacturers, moved into new factory of the Building Association; Robert Vernon moved into quarters formerly occupied by J. Lancy, Jr.; and H. Millett Shoe Co. moved into a portion of the Mower factory.

Marlborough. In January, Germania Electric Co. purchased shop occupied by Commonwealth Shoe & Leather Co. which removed to Whitman. February. Wood & Willard, shoe machinery, etc., erected new bullding, 87 x 50 feet, four stories high. May. Shoe factory of John O'Connell & Sons partially destroyed by fire. June. Work begun on new factory for John O'Connell & Sons, 167 x 47 feet, four stories high, to be equipped with automatic sprinklers; factory completed in October. July. S. F. Draper and F. T. Meagher formed partnership and began manufacturing under firm name of Marlborough Die Co. December. Factory of J. B. Billings shut down for repairs to engine.

Mattapoisett. In June, Bay State Chair Co. decided to move its plant to New Bedford.

Medford. In July, William C. Child, veteran sheepskin tanner, died, aged 69 years.

Medway. In April, dye-house of Sanford Woollen Mills leased and work started under title of Medway Dye Works. May. Box factory of Samuel G. Clark destroyed by fire. September. Glenark Knitting Co. which had been using the dye-house of the woollen mill, removed that branch of the business to its Woonsocket, R. I., mill. October. J. W. Thompson & Son removed all machinery to their factory in Millis. December. Work at the New England Awi Factory resumed.

Melrose. In December, Charles Whitcomb started slipper factory at the Highlands.

Merrimac. In December, carriage body manufactory of Gilman S. Hoyt destroyed by fire.

Methuen. In February, Tenney's hat factory started up after being shut down nearly all winter. October. Knitted Fabrics Co. added new branch to industry, that of knitting a coarse silk towelling for use in factories for cleaning machinery, etc. — Methuen Co ran quarter time on account of low water. — Wool hat factory of James Ingalis shut down for season on account of dull trade. November. Methuen Co. started operations on new chimney, 11 feet square and about 100 feet high, with a boiler capacity of 600 horse power. — New hosiery machinery put into mill of Knitted Fabrics Co. — The old plant of Methuen Woollen Mill utilized as an electric power station for manufacture of electric light. December. Methuen Woollen Mill shut down on account of low water.

Middleborough. In January, shoe factories of Keith & Pratt and Hammond & Richmond shut down for repairs and stock taking. — Fire damaged box factory of Chas. N. Atwood. February. Main shaft at Witham's mill broke, causing four days' shutdown. April. Shaw, Keith, & Co., shoes, leased new factory. May. Foundry of Cochran-Grove Co. shut down on account of refusal of moulders to accept reduction in wages. November. Improvements made in machine shop of Lloyd Perkins. — Murdock Parlor Grate Co. added nickel, copper, and brass plants to its factory. — Le Baron Foundry Co. added new japanning house to plant. — Clark & Cole, boot, shoe, and packing boxes, added two-story building to plant. — W. H. Schlueter, fancy articles, moved into new factory.

Middlefield. In September, Church Mills Knitting Co., capital stock \$40,000, organized; charter granted August 6.

Middleton. In July, Middleton Paper Mills shut down for repairs and setting up of new steam engine.

Milford. In January, Ponemah Granite Quarry and Manufacturing Co., capital stock \$50,000, filed articles of incorporation. April. Excelsior Cement Co. began manufacture of blacking. --- New blacksmith shop, a stone-cutters' shed, and a 20-foot extension to office built at May. Fire damaged shops of J. L. Buxton, machinists' work; Darling Bros.' quarries. Eben Brown, machine needles; and Ellis & Sons, tinsmithing. July. New shoe factory begun, 203 x 35 feet, three stories and basement, with front projection for office 25 x 35 feet. - Excelsior Shoe Co. incorporated; capital stock \$10,000. - Milford Business Men's Association accepted proposition of Houghton, Coolidge, & Co., shoes, of Ashland, in regard to locating here; new factory to be built for firm 400 feet long, four stories high. celsior Shoe Co. began work in cutting room and turned out the first shoes on the 29th. October. The Johnson & Rust shoe factory occupied by United States Nozzle and Coupling Co. of Syracuse, N. Y. --- Nute Bros.' Shoe Co. of Auburn, Me., leased Classin factory for manufacture of boots and shoes. --- Excelsior Cement Co. purchased Estabrook & Wires' old factory, part of which it already occupied. --- The agreement between the subscribers' committee of Milford, and Clapp, Huckins, & Temple, successors of Houghton, Coolidge, & Co., Boston, signed; this agreement binds firm to locate its shoe manufacturing business here and under conditions to conduct certain minimum amount of business; at the end of five years, the conditions being fulfilled, the firm to own the factory. ---- Glazier Twin Point Co. organized for the manufacture of glazier twin points. --- Excelsior Shoe Co. started up after brief shutdown. November. The J. S. Kelley factory started up under the direction of assignee. -Appleton Bragg, one of the earliest boot manufacturers, died in Braggville, aged 86 years.

Millbury. In February, operations at Atlanta Mills closed indefinitely. --- C. T. Aldrich built new storehouse in mill yard, 20 x 60 feet, skeleton frame, with sides and roof of corrugated March. Stonemetz Printers' Machine Co. converted blacksmith shop into a foundry and moved blacksmithing into boiler room. April. Work resumed in carding and spinning rooms of Atlanta Mill. June. Fire damaged picker room of Crane & Waters Manufacturing Co.'s mill. — John Rhodes Warp Co. organized as corporation; occupied plant of late John July. An addition, 20 x 30 feet, built on picker room of Windle Shoddy Mill. Rhodes. - Millbury Cotton Mills shut down for repairs. August. Whitney & Molt enlarged dyehouse. November. Wheeler Cotton Mills shut down for an indefinite period. --- John Rhodes Warp Co. ran on short time on account of dull trade. --- Ruel Warfield, cotton manu-December. M. A. Lapham leased Atlanta Mills, a four-set plant. - Hosiery facturer, died. Mill of Crane & Waters, which had been idle several weeks, announced to start up first week in January, 1892.

Millis. In May, new factory for Frank, Herman, & Co., shoes, completed; in form a hollow square, two sides being 200 feet and the other two 180 feet long; factory run under name of J. W. Thompson & Co. June. Baltimore Paper Mill, George Gardiner, lessee, manufacturing wrapping paper and carpet lluing, burned. July. Inside finish of stamping works of Hollander, Bradshaw, & Folsom begun. October. J. W. Thompson & Co., removed all machinery from Medway to their factory in this town. November. The Novelty Mill moved from Barnet, Vt., to this town, where the firm has a much larger plant. — Four large buildings in process of erection to be occupied by the Steel Edge Stamping & Retinning Co. of Chelsea, who will remove entire plant.

Monson. In February, weavers in R. M. & T. Reynold's Woollen Mill left work, owing to dissatisfaction with new wage schedule. April. All workmen at Flynt Co.'s granite quarries discharged. — C. W. Holmes, retired woollen manufacturer, died. August. Gage & Reynolds dissolved; Miller & Reynolds succeeded. September. Heimann & Litchten made extensive repairs and improvements in their straw manufactory. October. D. W. Ellis & Sons shut down woollen mill to make repairs on steam plant. — S. F. Cushman & Sons' mill closed in order to make necessary improvements. December. C. R. Smith, harnesses, erected new building to accommodate growing business.

Montague. In January, L. G. Littlefield, shoes, removed to Brockton; the factory, which had been idle for a month, started up under new management.——Turners Falls Brick Co. purchased an estate of 100 acres and in the spring began manufacture of brick, leasing its old yard to other persons.

March. Shawmut Manufacturing Co., leatherette, decided to remove

to Hingham. — Clark Machine Co. resumed operations. April. Portion of Turners Falls Shoe Co.'s factory shut down owing to dull business. — Montague Paper Co. put in new boliers and made other repairs. — Kindling wood shop of Turners Falls Lumber Co. and mill of New England Fibre Co. damaged by fire. May. Turners Falls Lumber Co. began rebuilding kindling wood mill. June. Turners Falls Shoe Co. closed factory for indefinite period. — Cutlery works shut down for annual inventory and vacation. August. Montague Paper Co. and Turners Falls Paper Co. shut down for week. November. Montague Mill Co. increased value of plant over \$50,000 during the past year. December. Work begun on new saw mill for Ward & Lewis.

Natick. In January, new shoe factory built by Frank Bigelow & Co. dedicated. February. Waltham Electric Clock Co. moved plant to this town. May. J. O. Wilson & Co., shoes, notified employes that unless prices were arranged upon the same basis those ruling in Dover (N. H.), Marlborough, or Pepperell the firm would move. July. Swain, Moulton, & Loker began manufacture of shoes. — N. Bartlett & Sons, shoes, shut down for one week. October. Brennan & Hanchett, shoes, moved into new factory.

New Bedford. In January, Wamsutta Mills shut down, removed old boilers and put up new ones, besides adding new machinery. --- Main belt in mule room at Potomska Mill broke, causing both mule and spinning rooms to shut down. - J. C. Rhodes & Co., shoe eyelets, factory at Whitman, purchased old Thayer & Judd factory and removed to this city. --- l'airpoint Manufacturing Co., silversmiths, changed from nine-hour time to full time. — Tinkham & Gifford shut down for two weeks during which repairs were made. February. Wide loom weavers at Wamsutta Mills left and secured work on other and narrower looms in the other mills. ---- H. C. Hathaway moved into factory of J. R. Forbes & Co. and began manufacture of carriages. ---A number of looms idle in Grinnell Mills owing to lack of filling. --- Old Colony Novelty Manufacturing Co. organized for manufacturing barbers' appliances, etc. March. J. S. Allen began manufacture of harnesses; motive power furnished by oil engine, first of kind in city. ---- Work begun on new factory for Pairpoint Manufacturing Co., to be of brick, 260 x 40 feet, four stories high. --- Owing to slack trade cutters at Hathaway, Soule, & Harrington's shoe factory placed on eight-hour time. --- Pope's Island Manufacturing Co. added horse bits, made from its new process metal, to its product. --- Smith Bros., glass decorators, reduced working April. A two story addition, 100 x 96 feet, built on No. 2 mill of time from 9½ to 9 hours. Howland Mills. --- Stockholders of American Tack Co. authorized directors to sell plant to Atlas Tack Corporation. - Fifty-eight looms idle at Acushnet Cotton Mill. - Wamsutta and Grinnell Mills decided to pay operatives by the hour. — Pope's Island Manufacturing Co. began running nights. — Wright Drug Co. incorporated. — Seven hundred bales of cotton, belonging to different mills of city, destroyed by fire in freight shed of Old Colony Steamboat May. Hathaway Manufacturing Co. completed the erection, in its new mill, of stopmotion drawing frames, slubbing, intermediate, roving, and jack frames, and self-acting cotton mules. - City Manufacturing Co. completed new brick addition, 288 x 112 feet, three stories high, with picker room 112 x 40 feet, engine room 50 x 40 feet, and boiler room 60 x 30 feet. - Bennett Manufacturing Co. erected new four story mill of brick, 324 x 100 feet, to accommodate 60,000 spindles. A reservoir, 275 x 225 feet, constructed west of new mill. — E.B. Chase & Co, picture frames, damaged by fire. June. A pulley in lower weave room of Hathaway Mill broke, stopping about 300 looms and throwing 40 weavers out of employment. - Pairpoint Manufacturing Co. shut down for a week's vacation. July. J. A. Jenney constructed new lighting and electric motor of his own invention; a company organized with capital stock of \$50,000 and the old Gifford foundry leased for its manufacture. - Pairpoint Manufacturing Co. established mill to make newly invented paper for wrapping silverware, which prevents tarnish; the manila paper was run through a chemical solution and over a dryer to the final rolls on which it was wound for use. August. A two-story addition built to the weave room of Hathaway Mills. --- Directors of Acushnet Mills decided to build addition 70 feet long, the same width as present structure, and three stories high, on Mill No. 2, the object being to introduce machinery for diversifying products of the mill and add to the facilities of the card September. Pairpoint Manufacturing Co. shut down for week to make connections with new engine. --- New heads placed on looms at Hathaway Mills. --- Coleman Cotton Mills incorporated with capital stock of \$400,000. --- About 180 looms idle at Potomska Mill No. 2. --- City Manufacturing Co. began erection of new building, 108 x 76 feet. Bennett Manufacturing Co. partially started up mill No. 2, producing cotton yarn. ---- Mill for manufacture of non-corrosive paper erected; some paper already prepared by hand processes. -Increase in wages granted on various grades of cotton goods in Wamsutta Mill No. 5. November. All rooms in new Bennett Mill, except mule room, in operation. — Additional

story built on weave room of Grinnell Manufacturing Co.—Wamsutta Mills introduced six new mules.—Three story addition to weave shed of Acushnet Mill completed.—City Manufacturing Co. completed new two-story brick mill containing 40,000 spindles and set up new engine of 100 horse power.—Pairpoint Manufacturing Co.'s new addition, 40 x 260 feet, completed.

December. King Manufacturing Co. sold to L. J. Ullman of New York; business continued under local management.—Hathaway Mills introduced 240 new looms.—Repairs at Bennett Mill No. 2 completed and work resumed.

Newburyport. In January, Lithoid Co. shut down entirely; all machinery shipped to Newark, N. J., the headquarters of the celluloid trust; 100 men thrown out of employment. The facts in regard to this trust were published in the CHEONOLOGY of 1890. --- N. D. Dodge Co., shoes, increased force of cutters. February. . Dodge Bros., shoes, moved into new factory. March. Nathan D. Dodge & Son Shoe Co., capital stock \$25,000, incorporated. --- Bayley Hat Co. shut down for repairs and stock taking; the fur department started up after five days and the wool department later. --- Work begun on new addition to plant of E. P. Dodge Manufact-April. Newburyport Car Works enlarged plant by putting in new engine uring Co., shoes. May. Water pipe burst in Burley & Usher's shoe factory, causing brief and boiler house. shutdown. - Standard Cloth Meter Co., capital stock \$10,000, incorporated. July. Wilder & Clark merged into Wilder & Clark Shoe Co.; capital stock \$40,000 --- N. D. Dodge & Son Shoe Co. moved into new factory. --- Hoag & Heath, shoes, succeeded to business of Hoag & Durgin. — Bayley Hat Co. shut down indefinitely. — Towle Manufacturing Co. closed fac-October. Nathan D. Dodge & Son Shoe Co. increased its tory for repairs and stock taking. capital stock \$25,000. December. Bayley Hat Factory sold to W. B. Thom & Co. of Haverhill and New York.

Newton. In January, Sullivan Whitney, M. D., died, aged 83 years; he was first American doctor to manufacture homeopathic medicines. — E. J. Hickey of Hyde Park purchased Crandall Paper Mills to manufacture wall paper. February. Robert Bishop purchased the old Rice Paper Mill, July, 1890, and since that date built new machine room 80 x 160 feet, in which was placed an 84 inch machine; two new steam engines of 400 horse power added to plant, the product to be manila paper. March. An artificial ice company organized with capital stock of \$100,000. — Sterling Elliott sold his business to Elliott Hickory Cycle Co. April. Old Thos. Rice Paper Co. to be known hereafter as National Paper Mills Co. September. R. T. Sullivan shut down woollen mill for two weeks for purpose of remodelling entire plant. December. Two new industries to be started at the Lower Falls after January; S. E. Morse will manufacture chemicals and Hobson Swallow will engage in extracting wool.

North Adams. In January, new machinery placed in Johnson Manufacturing Co.'s mill. -S. Blackinton Woollen Co. put in new drying and tentering machine. — W. G. Cady & Co. purchased new shoe factory which had been built in 1890 and never occupied. Phonix flouring and grist mill of A. W. Hodges sold to Frank A. Walker. — Ground broken for foundation of extension of H. T. Cady's shoe factory; addition to be 40 x 100 feet, three stories high. - Freeman Print Works closed indefinitely. March. James Hunter & Son changed from private firm to corporation under title of James Hunter Machine Co.; capital stock \$50,000. May. Addition built to shoe factory of N. L. Millard, 70 feet long. Main shop closed on account of broken water main and to allow transfer of machinery into new part of factory. -Stockholders of Greylock Mills decided to crect new building 230 x 50 feet and add 250 new June. James Hunter, president James Hunter Machine Co.; died, ag d 85 years. — Geo. M. Mowbray, inventor of nitro-glycerine, died, aged 66 years. July. Erection of twenty tenements started to accommodate extra help employed at the recently enlarged Greylock Mills. - Mill of Johnson Manufacturing Co. slightly damaged by fire. August. Windsor Co. organized and incorporated under laws of New Jersey to carry on business at the old Freeman Print Works. September. New weave shed of Greylock Mills dedicated. October. Beaver Mill, which had been shut down two months for repairs, started up. ---- Ground broken by Johnson November. Windsor Co. started up the Manufacturing ('o. for new dye-house, 40 x 100 feet. old Freeman Print Works; the opening celebrated by procession, speeches, and concert. December. Canedy & Wilkinson, shoes, placed lasting machines in factory to take place of striking lasters. --- Winslow Print Works ran both day and night to keep up with orders. ---All looms removed from Greylock Mill No. 2 and spinning frames introduced in place.

Northampton. In January, several changes in machinery made at Nonotuck Silk Mill. February. Boston Cash Register Co. moved here and began manufacturing. — Connecticut River Manufacturing Co. started mills fifteen days earlier than in 1890. — Florence Manufactur.

ing Co. set up new 50 horse power engine. - Florence Machine Co. shut down for repairs. April. Brown & Bailey began manufacture of brick for the season. — William Skinner of Holyoke purchased interest in Warner Silk Mill, and mill operated by new firm of Skinner & Warner. --- An important discovery made on local farm of vein of rock from which fire brick is made. — Employés of Florence Manufacturing Co. began work on summer time schedule. Moriey Paper Mill destroyed by fire; not to be rebuilt but business transferred to mill at Lee. May. Hill Machine Co. began erection of pattern house,  $50 \times 25$  feet, 12 feet high. June. Hill Machine Co. reorganized with capital stock of \$100,000. From this company, also, the Ulrich Engine Co. was formed. July. Florence Machine Co. sold entire plant to Central Oilgas Stove Co. New company has capital stock of \$1,500,000 and absorbed, besides the Florence, the Monitor Oil Stove Co., Cleveland, Ohio; Union Gas & Oil Stove Co., Greenwich, Conn.; Grand Oil Stove Co., Jackson, Mich; Hayward Foundry Co., Gardner, Mass.; and Emerson Power Scale Co. of this city. Manufacturing will be carried on only at Northampton and Gardner, Mass.; Greenwich, Conn.; and Jackson, Mich., with central offices at Northampton. - J. N. Leonard & Co., silk thread, etc., reorganized with capital stock of \$125,000 and the name of John N. Leonard Silk Co. was adopted. August. E. N. Foote & Co. abandoned manufacture of metal buttons, etc. - Caleb Loud Paper Mill, purchased by Buchapan & Bolt, for manufacture of Fourdrinier wire cloth. --- Mt. Tom Sulphite Pulp Co. started after two years occupied in construction of mill. The plant has six boilers, 20 feet long, six inches in diameter, with 82 flues, four inches in diameter; there are two engines of 500 horse power each placed in the brick buildings of which the plant is comprised. A pump supplies the water and the washers have a capacity of about 2,000,000 gallons daily. It will require about one hundred cords of wood daily to run the mill, sixty being turned into pulp. This wood is brought to the cleaning room in cars; all weather stained surfaces are planed off, ends are cut off, and knots bored out of the middle of slabs or sawed out of the edges; from these the slabs are taken to the two chippers; they are circular discs, six feet in diameter, with eight knives set in their faces; they revolve perpendicularly, 250 times a minute and knives are changed three times daily. Wood is dumped into a pocket on the side of these discs as fast as one man can handle it. The chips fall on a canvas conveyer, are sifted and screened to get out the dirt and small particles, and thence drop at the opening of a blower which whisks them up 70 feet to the 60 cord bins over the digesters, of which there are four, two forty feet high and two fifteen feet in diameter, which revolve once in ten minutes. When cooked and the chips divested of starch and creosote the mass is emptied into vats made of cypress wood 18 feet in diameter and 10 feet high. From this the wet mush is pumped into the pumping tanks in another building whence it passes into a beating engine and from that into a double engine. The pulp then goes to the bleaching vats, thence to a tank with wire screens. Here the dirt and hard unseparated fibres are collected automatically and conveyed to a beating engine, while the first quality of fibre is carried to the machines where the water is taken out and the white fibres laid in sheets and cut off. October. Northampton Cutlery Co. ran plant but three days a week while putting in new water wheels. --- Nonotuck Pocketbook Co., recently burned out at Deerfield, leased quarters in this city and began setting up machinery. November. Florence Tack Co. put new set of wire rollers into Horace Lamb & Co.'s wire mills. December. Mt. Tom Lumber Co. dis-- Knitting department of Nonotuck Silk Co. shut down on continued manufacture of laths .-- Whitney Safety Fire Arms Co. shut down for ten days. account of overstock .-

North Andover. In December, Geo. L. Davis, founder of the Davis & Furber Machine Works, died, aged 75 years.

North Attleborough. In December, Walcott Manufacturing Co. removed to Providence, R. I.

Northborough. In August, satinct mills of E. W. Chapin & Co. shut down.

December.

E. W. Chapin Co. incorporated under Maine laws.

Northbridge. In January, fire damaged annealing and hardening building of the Spinning Ring Co. April. Ice houses of Earl Carpenter damaged by fire. July. Spinning Ring Co. began building addition to works.

North Brookfield. In January, cutting room of E. & A. H. Batcheller & Co. shut down for ten days. *March*. Brown Boot & Shoe Co. shut down one week to take account of stock. *December*. Alfred H. Batcheller, founder of firm of E. & A. H. Batcheller & Co., died at Dansville, N. Y., aged 61 years.

Norton. In January, building in course of construction for Norton Jewelry Co. blown to ground during gale. April. New factory of W. A. Sturdy Manufacturing Co. dedicated. December. Property of W. A. Sturdy Manufacturing Co. sold.

Norwood. In July, tanneries of Winslow Brothers shut down for an indefinite period, throwing nearly 1,000 persons out of employment.

Orange. In February, woollen and grist mills of Leonidas Allen destroyed by fire. May. New shoe factory of J. B. Reynolds dedicated. July. New Home Sewing Machine Co. began erection of additions to plant consisting of four story building, 250 x 50 feet; two story building, 106 x 50 feet; brick office, 60 x 50 feet; and annex to stables, 40 x 35 feet. An additional water wheel constructed and a new dam. — Potter & Co. broke ground for storehouse 150 x 30 feet, one story high. October. New box factory begun by J. W. Wheeler, 200 x 60 feet, two stories high, and a storehouse of same dimensions. — Annex to factory of New Home Sewing Machine Co. completed; output increased about 100 machines daily. November. A. L. Shattuck and F. R. Bolton, shoes, burned out.

Oxford. In July, two mills of John Chase & Sons closed for indefinite period. October. Satinet mill operated by Gillespie & Sullivan for John H. Lyon & Co., New York, destroyed by fire. November. Additional warp dressing machinery put in mill of E. Bartlett. — H. C. Putnam, boxes, leased factory to Putnam Bros who continued in same business. December. New machinery placed in mills of Acworth Manufacturing Co.

Palmer. In January, the dam at Smith's mill being repaired, Holden & Fuller's woollen mill resumed operations. — Main portion of dye-house of the Palmer Mills of the Otis Co. damaged by fire; two employés burned with the building. March. Plant of the old carpet company, which had been idle for past six months purchased by new company known as Palmer Carpet Manufacturing Co. May. Otis Co. began building new boiler house for Palmer Mills. August. Addition built to picker house of Mill No. 1, Thorndike Co. September. I. M. Eager began manufacture of shoes. October. Boston Duck Co. put in new yarn dyeing machines. On account of low water mill unable to run full time. December. During 1891 extensive alterations and additions made to plant of Otis Co.; 210 looms set up, making total number 900; a new steam p'ant of 1,000 horse power added; the dye-house enlarged and nearly all departments improved.

Peabody. In January, the Standard Thermometer Co. and tannery of Geo. J. Winchester & Son shut down temporarily on account of local floods. — Stephen Fernald, tanner, died, aged 82 years. April. Lennox & Co. leased additional buildings and fitted them with machinery. — Tannery of F. Osborn, Jr. & Co. shut down indefinitely. June. Moore & Pray dissolved partnership; business of morocco manufacturing continued by Walter Pray. — Geo. Foan's morocco factory, John O'Callaghan's currying shop, and Geo. J. Winchester & Son's tan house damaged by fire. July. Benj. N. Moore began manufacture of India tanned goat and sheep skins. August. Aulson & Mohan's dongola factory destroyed by fire. September. Factory of H. W. Moore goat leather, started up after being shut down for nearly a year. October. Pottery of Moses B. Paige destroyed by fire. December. J. E. & J. H. Osborn, currying, leased new buildings in order to increase plant. — Standard Thermometer Co. added the manufacture of type writers to product.

Pepperell. In February, new factory of Leighton Bros. dedicated; it is double the size of the one destroyed by fire, "T" shaped, five stories and basement; it has a frontage of 152 feet and an ell extending 184 feet in rear.

Pittsfield. In January, D. M. Collins & Co., knit goods, began manufacture of paper boxes in which to ship product. — Martin Van Sickler, retired cotton manufacturer, died, aged 75 years. February. Stanley Electric Manufacturing Co. fitted up factory and began operations. March. Part of Bel Air Woollen Mills, idle since fail of 1990, leased and partially operated by Wilson & Horton of the Taconic Mills. — Directors of Pontoosuc Woollen Mill decided to build addition to plant 200 x 66 feet, to put in new water wheel, and equip mills with electric lights. April. David J. Gimilich & Geo. Fabricius formed partnership for manufacture of barbers' coats, butchers' frocks, etc. — Daniel Stearns, who started in the manufacture of broadcloth, satinet, and fiannel in this city in 1826, died, aged 91 years. May. Fire

destroyed factory of Gimlich & Fabricius. June. Addition, 60 x 30 feet, two stories high, built at W. E. Tillotson's cassimere factory. — Pittsfield Manufacturing Co. added to its plant special machinery for manufacturing merino yarn on small cops. November. Pittsfield Manufacturing Co. shut down for repairs and on account of low water. December. Mill of Z. A. Ward, recently destroyed by fire, rebuilt.

Plymouth. In January, the spool and bobbin factory, recently destroyed by fire, repaired and started up. May. Loring & Parks, tacks, etc., sold tack department to Atlas Tack Corporation, and in November sold the remaining part of business to same concern. June. Godfrey Seamless Pocket Co. built bleachery in rear of factory. August. Francis Emery, shoes, shut down indefinitely. October. Russell Mills shut down for repairs. November. Plymouth Rock Boot & Shoe Co. shut down permanently.

**Princeton.** In June, the annex to the chair factory of Reed & Temple, completed and occupied.

Quincy. In July, the factory of John E. Drake & Co., shoes, shut down, throwing out about 200 hands. December. Fire destroyed a shed occupied by the Quincy Granite Works, South Quincy.

Randolph. In July, Bryant, Case, & Co., shoes, succeeded by Bryant, Ochs, & Co. November. C. L. Ludlow, South Easton, started a shoe counter factory in this town. December. William O'Brien, shoe manufacturer, died, aged 36 years.

Raynham. In April, the tack factory of Charles B. Gardner (Diamon Tack and Nail Co.)-destroyed by fire; plant to be rebuilt. September. Abbott & Hackett, shoes, shut down and removed to Michigan. November. Zeno H. Kelly's shoe shop started up after a shutdown of two weeks.

Reading. In May, Horton-Akerley Co., brushes, etc., incorporated with a capital stock of \$12,000. September. Kalloch Rubber Manufacturing Co., mackintoshes, consolidated with Rubber Manufacturing Co. December. Massachusetts Rubber Co. shut down indefinitely.

Revere. In November, the kiln shed in the brickyard of George Foster damaged by fire.

Rockland. In January, J. S. Turner, shoes, introduced new machines in factory for sewing on welts, doing away with hand welt sewing.

May. French & Hall, shoes, succeeded by French & Hall, shoes, succeeded by French & Hall Co.

— Charles E. Lane, shoes, built an addition 30 x 34 feet.

August. H. D. Smith & Co.'s stocking factory started up after a long shutdown.

September. F. E. Nesmith & Co., boxes, placed a box folding machine in factory to turn out 100,000 boxes daily.

November. Chipman, Calley, & Co., shoes, added new machinery to factory.

Rockport. In February, Hockridge Bros. & Co. purchased the plant and business of Pingree's tool manufactory. —— Cape Ann Isinglass Co. shut down owing to a break in the machinery.

Royalston. In January, an addition 100 x 40 feet added to Whitney Woollen Mill.

Rowley. In December, new machinery added to saw mill of N. N. Dummer.

Salem. In January, fire slightly damaged tannery of Patrick O'Keefe. February. New factory erected and occupied by Locke Bros., steam appliances, 106 x 40 feet, with wing 40 x 40 — Kelsey Manufacturing Co. incorporated; capital stock \$5,000. --- Charles Harrington & Co., leather, started up on full time. - Forest River Lead Mills completed and works started -Fire destroyed building occupied by E. H. Dixey & Co., C. L. Dockham, Sawyer & Flint, and J. F. Brady, shoes. - Fire partially destroyed paste and stiffening shop of Peter J. Marrin. March. Woodbury Heel Co. organized for manufacture of moulded counter stiff-April. Fire destroyed works of Salem Waste Co.; to be rebuilt. May. Hill & Donovan organized for manufacture of misses' shoes. - Association Factory No. 2 leased by E. S. Woodbury & Lefavour, shoes. June. B. E. Cole & Co., shoes, shut down owing to accident to boiler. July. Improvements made in Salem Foundry & Machine Shop. August. September. Frothingham & Hardiman, shoes, Glue factory added to tannery of Poor Bros. succeeded by A. G. Frothingham. --- Consolidated Adjustable Shoe Co. moved from Salem to new building at Lynn. — Fire damaged shoe shop of Dane, Grinnell, & Co. October. Winslow & Rogers' shoe factory sold to J. Frank Farrin. — David D. Lefavour succeeded to shoe business of E. S. Woodbury & Lefavour. November. H. F. Lord started in business for manufacture of misses and children's shoes. — New boilers put in Naumkeag Mills. December. Murphy & Gulley, shoes, succeeded by John Gulley. — Merrill & Weymouth, shoes, succeeded by J. E. Weymouth.

Saugus. In June, Harmon Hall, twenty years a shoe manufacturer, died. August. New machinery added by Pranker Manufacturing Co.

Scituate. In January, G. W. Bailey, shoe manufacturer, died, aged 60 years.

Shelburne. In February, Mayhew Silk Co. shut down indefinitely. April. Shirt factory started up with 27 hands. June. Lamson & Goodnow Manufacturing Co., cutlery, shut down for indefinite period. August. Lamson & Goodnow Manufacturing Co., cutlery, built addition of 40 feet to carpenter shop. — Cutlery plant of D. Rush & Sons started under firm name of New England Cutlery Works. November. Improvement made in cutlery plant of Lamson & Goodnow Manufacturing Co.

Shirley. In August, Mark McPheters built addition to veneer mill, 36 x 36 feet, three stories high. — Fire destroyed Monson Yarn Mill occupied by V. H. Vickery as cotton batting factory. — B. S. Binney's paper mill shut down on account of low water, remaining closed, except for repairs, until December. October. Fredonian Mills, cotton, shut down and for sale. December. Thirteen looms added to Shirley Manufacturing Co.'s plant.

Somerset. In January, stockholders of Somerset Potters Works voted to indorse formation of a new organization to be known as Somerset & Johnsonburg Manufacturing Co., capital stock \$400,000. Somerset business to be continued. February. Mount Hope Iron Works started up after a shutdown of a week. Murch. Somerset Shoe Factory and Mount Hope Iron Works shut down for few days. July. Somerset & Johnsonburg Manufacturing Co. extended works; a complete system for manufacture of enamelled bricks intended. — Somerset Co-operative Foundry voted to sell entire plant. --- Mount Hope Iron Works and Somerset Shoe August. Peter H. Corr, Taunton, purchased Somerset Co-operative Factory started up. Foundry. - Mount Hope Iron Works shut down indefinitely. September. Somerset Cooperative Foundry sold for second time to William P. Hood. --- Somerset Co-operative Foundry incorporated; capital stock, \$12,500. - During month Mount Hope Iron Works, Wilson Lace Clasp Co., and the creosote works started up. October. Mount Hope Iron Works shut down on account of shortage of coal. November. New machinery added to Wilson Lace Clasp December. Mount Hope Iron Works started up. --- Somerset Co-operative Foundry shut down for two weeks.

Somerville. In February, explosion and fire damaged dye-house of Barrett Bros. October. New addition built by Somerville Desk Co.

Southbridge. In April, alterations and improvements made in print works of Hamilton Woollen Co. — Sanders & Co. retired from business. August. Southbridge Printing Co. started up after shutdown of ten days for repairs. — Fire slightly damaged waste house of Central Mills Co., cotton. September. Part of machinery in print works of Hamilton Woollen Co. shut down for needed repairs. November. New steam boiler added to Central Mills Co.'s plant. December. W. W. Wells and Louis Giroux formed partnership for manufacture of lenses.

South Hadley. In June, an addition 80 x 63 feet made to paper mill of B. F. Perkins & Son, and new 66-inch sizing machine put in. Style of firm changed; to be known as Stony Brook Paper Co. ——Fire damaged spinning room of Glasgow Mills. August. All mills shut down for a day on account of low water. December. Carew Paper Mill shut down on account of anchor ice.

Southwick. In July, repairs and alterations made in the saw and grist mill owned by William & John R. Boyle.

Spencer. In January, Spencer Gas Works destroyed by fire. April. Isaac Prouty & Co., shoes, shut down for few days. July. Four woollen mills shut down two days in week. September. Machinery added to shoddy mill of J. T. Aldrich. — Woollen mills of George

P. Ladd & Co. started up on full time. October. Work suspended in boot department of I. Prouty & Co., boots and shoes: dull trade. — Dusten & Clark, machinists, dissolved; W. T. Clark & Sons, new firm, continued. November. Westville Woollen Mill started up. — Bacon, Young, & Co., shoes, shut down for repairs on engine and boiler. — Capen's ice house damaged by fire.

Springfield. In January, J. W. Foster purchased the spooler business of Fall River Machine Co.; removed to this city, and organized stock company known as Foster Machine Co. - Hampdon Narrow Fabric Co. started up after three weeks' vacation. March. Bay State Corset Co. moved manufacturing business from West Brookfield to this city. ---- Milton Bradley Co., toys and games, paid to employés the fourth annual profit-sharing dividend of two per cent on all earnings. --- Charles D. Leet, first successful manufacturer of metallic cartridges, died, aged 67 years. April. Foster Machine Co. set up, for manufacturing concern in Fall River, a 63-drum winder, being interesting as an achievement of new local industry as well as an improvement in mechanical methods. Chief utility of winder lay in fact that yarn or thread if wound was all spooled on hollow cones or cylinders, doing away with expense and delay incidental to use of bobbins and loss on freightage through them. The tension claimed to be exactly even. The guide carrying the thread runs in a channel cut in a steel cylinder; two of these cuts begin on the cylinder near its outer edge opposite to each other, converging until they cross half way round, and from that point diverging to the point started from. As this cylinder revolves the guide is carried from one end of the paper tube to the other, winding criss-cross with absolute regularity. It can also wind from skeins, bobbins, and mule spindles at the same May. New four story building of Newell Bros. Manufacturing Co., buttons, connected with present shop by wing 30 x 40 feet. --- Chapman Valve Manufacturing Co. completed addition to plant. --- Springfield Iron Works added new machinery, including riveting machine, punch, and lathe. - Site bought for erection of Warwick Cycle Co.'s new factory; building to be of brick 340 x 50 feet, three stories high, with capacity for 10,000 machines a year. Atlas Pulp Co removed plant to a point some 20 miles from this city; its output to be increased to 25 tons per day.

July. Gottlieb Baer, cigars, rented part of new Porter-McElwain block and removed factory.

Electricon Manufacturing Co. removed from Brooklyn, N.Y., to this city. --- Metallic Drawing Roll Co. introduced its invention for cotton machinery, consisting of a fluted steel roll, intended to take place of leather covered top roll. August. Fire damaged mill of Springfield Waste Co. September. New machinery received by Electricon Manufacturing Co. and 40 men employed. Lower floor of factory devoted to machine work, second to assembling and testing, and top story to winding; company manufactures electric motors and dynamos. - Foster Machine Co. decided to remove plant to Westfield; erection of building begun. - George A. Schastey moved to new woodworking factory; about 115 men employed. October. O. W. Bullock & Co, watch-tool makers, rented lower floor of building formerly occupied by Springfield Woodworking Co. - Fire totally destroyed building occupied by New England Card and Paper Co. - Main brick building of Hampden Paint and Chemical Co. totally destroyed by fire. November. Fire destroyed cotton waste and paper stock establishment of A. N. Mayo & Co. — Charles Fuller, of the firm of Towne, Fuller, & Co., cigars, died, aged 51 years. December. Control of Springfield Foundry Co., castings and elevators, secured by H. K. B ker and David Hale. -- Crescent Manufacturing Co. organized for manufacture of handles and mountings for funeral caskets.

Sterling. In May, Sterling Emery Wheel Co. resumed operations at factory in West Sterling, and filled orders from there until new factory in Ohio was completed.

Stockbridge. In September, M. S. Herman of New York, purchased Glendale Woollen Mills. October. Fire totally destroyed Glendale Woollen Mills which had just started up; works to be rebuilt and run on union cloth.

Stoneham. In March, P. Cogan & Son, shoes, completed addition to factory, 110 x 55 feet. April. Daniel Cororan and Thomas Kenney formed copartnership and leased quarters for manufacture of shoes. May. Hamilton Hay introduced lasting machines at his shoe factory. June. Luther Martin and J. Maxwell formed copartnership for manufacture of shoes.— American Boot & Shoe Co. retired from business. October. Smith & Baker, shoes, of Leominster bought factory of American Boot & Shoe Co. in this town and moved here.— W. H. Farnham, lasts, formed a copartnership with George W. Badger and removed to Malden; business done under the name of Boston Last Co. November. Sanborn & Mann, shoes, dissolved; business continued by A. E. Mann under the style of A. E. Mann & Co.— E. F. Sanborn & Co organized for manufacture of women's shoes.— Fire partially destroyed shoe stock factory of E. A. Newhall. December. Improvements made by Hamilton Hay to shoe factory.

tory. — E. L. Patch Manufacturing Co. added new building, new engine and boiler, and increased capacity. — Middlesex Boot & Shoe Co. suspended operations.

Stoughton. In January, Stoughton Hoslery Co. organized. April. New factory of Stoughton Hoslery Co. started up. — Knitting mill of French & Ward enlarged and machinery added for manufacture of worsted stockinets. June. Stoughton Hoslery Co. shut down and enterprise abandoned. October. New shoe factory bullt by Upham Bros. & Co. November. Upham shoe factory purchased by Stratton Bros., of Canton, who removed their knitting plant to this place.

Sutton. In May, Sutton Manufacturing Co.'s cotton mills partially destroyed by fire. October. Part of Sutton Manufacturing Co.'s mills shut down and new boilers and other improvements added. November. Repairs at Sutton Manufacturing Co. completed and mills started up.

Taunton. In January, Weir Stove Co. started up after week's shutdown for repairs .-Work at new Cohannet Mill No. 3 begun. February. Potter Yarn Mill shut down indefinitely. --- Leonard Co-operative Foundry Co. suspended operations; plant purchased by New England Stove Co. which will continue the business. — The following establishments were run overtime during month: Dighton Rock Pants Co., Taunton Locomotive Works, Canoe River March. Taunton Wire Nail Co. which had Mills, and R. ed, Barton, & Co., electroplaters. been shut down two weeks moved machinery to the Babbitt machine shop and resumed work. Mason Machine Works added new machinery to plant. April. D. D. White Shoe Factory Corporation organized. — Nemasket Mills Corporation organized with capital stock of \$300,000 to build new mill for manufacture of yarn. --- New addition begun on factory of Weir Stove Co., 110 x 60 feet. May. Work of clearing ground of Old Colony Iron Co.'s works at East Taunton begun, upon which site new mill for Nemasket Mills Corporation to be erected. - Business suspended at the Potter Yarn Mills and factory closed under then existing management. — Taunton Tack Co. and Albert Field Tack Co. absorbed by Atlas Tack Corporation. June. Weir Stove Co. shut down two weeks for repairs and improvements. --- Corner stone of the Nemasket Mill laid. — Taunton Iron Works closed for two weeks. July. Potter Yarn Mill sold to Franklin Savings Bank, Boston. --- West Silver Works shut down for two weeks. -New time schedule adopted by Taunton Locomotive Works. Work to begin at 6.45 A.M. with half an hour for dinner; on Saturday works shut down at noon for the day. ---- West Silver Works and Reed, Barton, & Co. started up after two weeks' shutdown. ---- Weir Stove Co. resumed operations. August. Somerset Co-operative Foundry of Somerset purchased by Peter H. Corr of Taunton. - Mason Machine Works ran only four days per week owing to September. Taunton Copper Manufacturing Co. ran overtime to fill orders. October. Shoe factory of Emery & Holmes shut down preparatory to moving business to Haver-- New machinery put into factory of S. A. Dudley, shuttles, who occupied plant formerly used by Williams Manufacturing Co. November. Cohannet Mill No. 3 started up after three days' shutdown to repair engine. December. S. A. Wilde Manufacturing Co., Morse Twist Drill Co., and Reed, Barton, & Co. shut down to take account of stock. —— Taunton Iron Works shut down for two weeks. - Machinery of Potter Yarn Mill sold to Southern parties. -Eagle Cotton Mill and D. A. Trefethen's brass foundry damaged by fire.

Templeton. In May, Otter River Woollen Co. made addition 90 x 70 feet to weaving department for accommodation of 50 new looms. —— Improvements made at the Winchester box shop at Baldwinville. June. Whitney Manufacturing Co. of South Royalston, hired, for short periods, the River Mills at Otter River for tarding and spinning cotton for their other mills. July. Addition made to chair factory of Smith, Day, & Co., Baldwinville, 25 x 41 feet, three stories high.

Townsend. In February, A. Prince & Co., of Fitzwilliam, N. H., purchased mill property of Joseph Thompson at West Townsend for manufacture of patent egg-packing boxes. March. The U. S. Adams Mill shut down on account of high water. July. Improvements made at the leather-board mill of Spaulding Bros.

Uxbridge. In July, Rivulet Mill shut down to set up new boiler and engine. September. Three new fulling mills put in woollen mill of C. C. Capron. October. Hecla Mills shut down for repairs. December. Albert Davis and others bought property at South Uxbridge for erection of new woollen mill.

Wales. In February, Valley Mill started up to run out stock on hand belonging to Baker Bros. July. Fire damaged picker room of Dell Mill operated by Excelsior Woollen Co.; mill shut down to make repairs and prepare new stock. December. Additions made to machinery of Berkeley Mill.

Walpole. In January, dye-house of S. Gray & Co. damaged by fire; no delay caused at works. February. Stephen Pember, of Union Carpet Lining Co., died. July. F. Barlow, of Boston, purchased Union Mills; refitted them with machinery to manufacture cotton batting. September. Sheldon Bros., shoes, of Natick, moved here. — Barlow's cotton batting mill, just started, destroyed by fire. October. F. W. Bird & Son, paper, added new pulp draining house to plant. December. Buildings on Tilton Privilege purchased by G. A. Plympton of New York, overhauled and put in working shape; privilege had been idle 16 years. — Lewis Batting Mills shut down for one week to make repairs on engine and boiler.

Waltham. In February, Waltham Emery Wheel Co. erected a new factory; main building 240 x 50 feet, part of which is one story high and the rest two stories, with boiler and engine rooms 18 x 32 feet each, and office 30 x 40 feet. — Waltham Screw Co. organized with a capital stock of \$25,000. June. Zenas Carpenter, manufacturer of crayons, died, aged 68 years. — American Waltham Watch Co. shut down for three weeks' annual vacation. November. American Watch Tool Co. adopted nine hours as regular working day. — Waltham Electric Light Co. incorporated; capital stock \$20,000.

Ware. In August, two picker rooms added to Otis Co.'s plant. September. George H. Gilbert Manufacturing Co. started mill on winter schedule. November. Otis Co.'s new mill shut down to adjust shaftings and make ready to run mill by water power; two new water wheels added.—Geo. H. Coney sold business to Ware Lumber Co. December. New box shop for Ware Lumber Co. built to give employment to 15 or more men.

Wareham. In January, Standard Horseshoe Co. incorporated; capital stock \$100,000; new iron mill built for the company at South Wareham. May. William G. Loring, harness manufacturer, died.

Warren. In May, West Warren Cotton Mills began to start work at 6.30 A.M. to allow for Saturday half holiday. June. New boiler house added to Knowles Steam Pump Co.'s plant; two new boilers placed in position and work on iron foundry extension, 40 x 75 feet, begun. October. An addition built to carpet factory of Burt Bros. for a finishing room.

Watertown. In September, fire destroyed building occupied by Government Waterproof Paint Co.; Campbell Electric Supply Co., insulated copper wire; and John Raiston, tent cloth and window shades. November. Watertown Paper Mill shut down for two weeks during which time important changes were made. December. Sheliey Manufacturing Co. organized for manufacture of Astrakhan cloth; and occupied old factory of Hale Rubber Co.—J. Q. A. Pierce of Pierce & Son, shoes, Boston, died, aged 75 years.

Wayland. In May, W. & J. M. Bent, boots and shoes, shut down indefinitely. September. N. C. Griffin, shoes, shut down for a few days. October. Bent Bros. & Co. succeeded W. & J. M. Bent in manufacture of boys and youths' shoes. —— C. W. Dean, shoes, shut down for a few days.

Webster. In January, H. N. Slater Manufacturing Co. made alterations in cotton mill and added five sets of cards. August. Rivulet Woollen Mills shut down to make repairs and improvements.

Westborough. In January, new firm of Birch & Dunbar finished its first piano.—Bicycle Works resumed operations after a week's shutdown.—George B. Brigham, shoes, died, aged 73 years. April. T. C. Rich Co. began manufacture of window blinds.—Livingstone Cycle Manufacturing Co.'s factory ran 20 hours a day to finish 1,500 machines for the market.—D. F. Newton, retired boot and shoe manufacturer, died, aged 79 years. July. Livingstone Cycle Manufacturing Co. shut down permanently. November. Gould & Walker added lasting machines to their factory.

West Boylston. In January, Clarendon Mills enlarged plant. August. West Boylston Mauufacturing Co. added a 45-inch turbine wheel. December. Clarendon Mills started up after a long shutdown.

West Brookfield. In December, Joseph T. Wood Co. incorporated for manufacture of shoes; capital stock \$15,000.

Westfield. In January, Whip Factory buildings bought by Connecticut Valley Cigar Co. occupied by them for manufacture of cigars. February. Osden's Whip Factory completely destroyed by fire. --- Linenoid department of Crane Bros.' paper mill partially destroyed by March. Whip factory of John C. Schmidt & Co. totally destroyed by fire. May. New whip factory of Steiner & Moore nearly completed. June. W. Warren Thread Co. enlarged dye works. --- A. C. Barnes & Co. sold whip business to Daniel F. & Eugene Doherty, who continued under name of New England Whip Co. July. Amos Ensign, cigar boxes, began erection of an L shaped building 96 x 60 feet and 30 feet wide. August. I.O. Smith Manufacturing Co. resumed work after month's vacation. September. Foster Machine Co. rented property for 50 years and decided to remove from Springfield; new building 150 x 50 feet November. Foster Machine Co.'s new building roofed over. December. New shop of Foster Machine Co. started up on cone and tube winding machinery. - During the year American Whip Co. built two additions to plant and voted to increase capital stock to \$250,000.

West Newbury. In February, new machine added to Chaplin's shoe factory. September.

L. F. Morrill & Son, shoes, began erection of factory 35 x 60 feet. — Comb manufactory of S. N. Noyes & Co. shut down for want of water. November. New shoe factory erected by W. B. Chaplin. — Morrill's new shoe factory completed.

Westport. In March, D. H. Cornell & Son built new packing house and added cutting and packing pork to their business. *May*. Fire partially destroyed picker room of Westport Manufacturing Co.

West Stockbridge. In July, shoddy mill of M. Truesdell's Sons shut down for two months.

Weymouth. In January, Albert F. Clapp, manufacturer of inner soles, died, aged 38 years.

March. E. A. Hunt and James Torrey, shoe manufacturers, died, aged 65 and 80 years, respectively.

May. South Weymouth Shoe Co. incorporated; capital stock \$50,000.

June.

M. C. Dizer & Co., shoes, introduced lasting machines in their factory; reduced force of lasters from 45 to 18 men.

September. The W. H. Clapp factory at Weymouth Landing operated, for manufacture of shoes, by a syndicate of citizens; capital stock \$35,000.

October. Frederick Cate, wrappers, moved into new factory with new machinery and increased capacity.

November. G. E. Porter, shoes, increased facilities of factory by addition of new engines, etc.—

An addition 50 x 20 feet, built to box factory of E. Sherman & Son, South Weymouth, and new engine added.

Whitman. In March, Park Injector Co. transferred factory from Boston to this town, on account of lack of room in old quarters; city office retained. — Commonwealth Shoe and Leather Co. fitted up new factory with 243 new machines and improved benches. **May.** Dunbar, Hobart, & Co., tacks, sold to Atlas Tack Corporation.

Wilbraham. In May, Woollen Mill at Glendale, which had been idle several months, started up by Frank Adams, agent.

Williamsburg. In August, shoddy mill of Henry L. James, employing 75 hands, shut down indefinitely.

Winchendon. In January, Brown Bros. began work on new pail factory 90 x 36 feet. March. Ozro Hancock, manufacturer of pails and tubs, died, aged 79 years. May. Nelson Cotton Mills, run by N. D. White & Sons, shut down indefinitely. June. M. E. Converse & Co., toys, began new factory building, 100 x 40 feet, four stories high. July. R. S. Frost & Co., woollen goods, Boston, decided to put into shape and operate Pequoig Mill. August. A concern to be known as Century Manufacturing Co. organized to carry on wool scouring business

Winchester. In May, F. A. Loring and J. A. Williams formed copartnership under name of F. A. Loring & Co., for manufacture of buff leather and splits.

Woburn. In January, Eaton Shoe Manufacturing Co., formerly of Lynn, leased portion of Simonds factory. March. Freeman A. Loring of the firm of Loring & Avery, Winchester, purchased Bryant & King's factory where buff leather will be manufactured. —Theodore G. Boutelle established leather business in new factory. — Charles B. Bryant, formerly of Bryant & King, began manufacturing in Polland factory which had been refitted. — Patrick McGowan

built addition to factory. April. Stephen Dow & Co., leather, shut down indefinitely. October. T. J. Quinn, morocco, moved into factory of C. H. Drew at Stoneham. November. Otis & Cobb moved to White's tannery to increase facilities. —— Currying shop of B. Frank Kimball & Co. destroyed by fire. —— Alfred A. Dow, leather manufacturer, died, aged 50 years. —— George J. Munroe, pickle manufacturer, died, aged 54 years. December. New tannery started by W. S. Cobb, George Beggs, and A. Moseley, to tan and finish buff and grain leather; style of firm, W. S. Cobb & Co.

Worcester. In January, J. E. Wesson Shoe Co. incorporated; capital stock \$48,000 .-L. S. Watson Manufacturing Co. purchased stock, fixtures, and machinery of Howard Bros. and removed them to factory in Leicester. --- Bay State Shoe and Leather Co. reorganized. -Abraham Fitts, hydraulic elevators, died, aged 74 years. February. Property of Lathe & Morse Tool Co. sold to W. F. Draper of Hopedale. - Abbott's Menthol Plaster Co. incorporated; capital stock \$35,000. March. Charles F. Kent, card clothing, purchased property of Wright Machine Co. - Fire partially destroyed building occupied by Hamblin & Russell Manufacturing Co., wire goods; E. J. Somers, tacks; Asa Goddard, machinist; P. Baker, lead pipe; William Leonard, currier; Mansfield & Curtis, machinists; and J. F. Fowks April. Rice & Griffin Manufacturing Co. built addition, three stories, 37 & Co., harnesses. x 38 feet. — Ruddy Thread Co. built three story brick shop 142 x 43 feet. — W. F. Burgess & Co., engines, etc., moved to shop formerly occupied by L. W. Pond Machine Co. -- Bay State Worsted Co. incorporated; capital stock \$25,400. — Fire partially destroyed Quinsigamond wire mill of Washburn & Moen Manufacturing Co. — Philip L. Moen, president of Washburn & Moen Manufacturing Co., died, aged 62 years. May. Howard Bros.' Manufacturing Co., machine card clothing, increased capacity of factory by introduction of new machinery. ---- E. & J. W. Lathrop decided to build needle factory 108 x 25 feet. — M. J. Whittall purchased Brussels carpet plant of Bromley Bros. of Philadelphia. — Humphrey Paper Box Co. incorporated; capital stock \$15,000. - Lugrin Door Co. incorporated for manufacture of flexible doors; capital stock \$50,000. - Fire partially destroyed building occupied by Samuel Mawhinney & Co., lasts; Litchfield & Howe, machinists; Leonard L. Pollard, models; and John E. June. Iver Johnson & Co., firearms and bicycles, purchased Lawton, boot and shoe patterns. plant of Walter Heywood Chair Co., Fitchburg, where they moved their business. - W. H. Warren, machinists' work, sold plant to J. A. Calvin. --- Norton Emery Wheel Co. at Barber's Crossing built two-story addition 24 1/2 x 111 1/2 feet. — On account of dulness in trade, employés of Knowles Loom Works worked on eight-hour time. July. Hutchins Machine Co. organized with capital stock of \$25,000 succeeding to business of Worcester Elevator Co. ---- M. J. Whittall Carpet Co. added new looms to plant .--- Frederick Jefts & Son purchased right to manufacture, in this State, Lugrin flexible doors, shutters, and curtains. - J. C. Speirs & Co., drop forgings, increased facilities by addition of new building. --- Washburn Car Wheel Co. which had been shut down for repairs started up. August. Charles H. White, toy tables, built addition to plant. — Washburn & Moen Manufacturing Co. began construction of dam 175 feet in length and 111/2 feet thick. --- Charles F. Kent, card clothing, moved business to new factory purchased of Wright Machine Co.; building four stories high, 80 x 40 feet; a new boiler house 30 x 24 feet, a 60 horse power boiler, and a 35 horse power engine added. -Stock, machinery, etc., of E. W. Vaill Chair Manufacturing Co. sold at auction. -Fire damaged window sash factory of C. H. Baker & Co. - F. E. Reed & Co., machinists' tools, shut down for ten days' vacation. --- Fire damaged ice house of Mansfield & Dearborn. September. Morgan Construction Co. incorporated with capital stock of \$10,000 for construction of plants for wire manufacturing. - On account of dulness in trade eighthour time inaugurated at works of Worcester Screw Co. October. Howard Bros. Manufacturing Co. increased capacity of works nearly one-half. --- New stock company organized for manufacturing improved dry and other plates; company purchased plant formerly owned by Phoenix Plate Co. and organized under name of American Dry Plate Co. - F. I. Robbins built a three-story brick addition to machine shop, 30 x 12 feet. — Blake, Boutwell, & Co. dissolved; business continued by George F. Blake, Jr. — Knowles Loom Works started up on full time and will run thus through the winter. — George S. Barton, treasurer Rice, Barton, & Fales Machine & Iron Co., died, aged 66 years. November. Ætna Knitting Co. successors to Holland Hosiery Co., absorbed Park Hosiery Co. and business of Holden & Foss; also enlarged knitting plant. — George M. Rice Steel & Iron Co. organized from defunct Worcester Steel Co. - Howe & Littlefield, boot and shoe trees, succeeded to business of E. L. Shumway. --- New two story factory building 200 x 60 feet added to Whittall Carpet Works, accommodating 40 additional looms. December. H. M. Witter & Co.'s mill, running on nine-hour time all summer, began working overtime. — C. W. Humphrey, boxes, sold to Bay State Paper Box Co., who assume possession January 1, 1892. — Manning Dye Works closed and buildings remodelled into tenements.

THE STATE. It has been necessary for the Bureau, in its collection of industrial statistics, to obtain all available information relating to the establishment of new enterprises, changes in existing establishments, and such other facts as are contained in the foregoing Industrial Chronology.

It will be understood that the preparation of the Chronology is only incidental to the regular work of the Bureau, undertaken mainly that its files may be kept in proper condition. Such data, if collected continuously, has some historical value, and for that reason its publication in condensed form was begun in the Report for 1890. The information has been obtained from various sources, and while every effort has been made to avoid error it is possible that some inaccuracies may appear, as our facilities have not enabled us to verify all the facts reported.

This year, instead of following the monthly classification which was used in the Report for 1890, the material has been classified by towns as well as by months in order that the Chronology might gain in local interest. It is not pretended that the information is exhaustive although it is believed to include the more important operations which have taken place during the year

From the information contained in this Chronology for 1891, we are enabled to present the leading events for the State, during the year, in detail Returns are made from 173 cities and towns and the summarization of results, as shown in the following table, is placed in comparison with the items contained in the Industrial Chronology for 1890.

It is not to be understood that fires, shutdowns, new firms, etc., have increased or decreased in 1891 as compared with 1890, because the figures in the column for the first named year are higher or lower than those in the latter. It simply indicates that our sources of information have been enlarged and we have obtained more returns during 1891 and the figures are shown in comparison for that reason solely.

Classification of Change Fire:	NUMBER OF ES- TABLISHMENTS REPORTING SPECI- FIED CHANGES, REMOVALS, SUS- PENSIONS, FIRES, ETC.								
				-				1890	1891
Firms and industries new to towns,			•					30	94
Establishments new to towns,								10	20
Buildings constructed during the year,								32	100
Machinery added to plant,								-	72
Other additions to plant,								73	210
Additions of new class of product to m	anu	factu	ıre,					-	20
New industrial corporations organized,								19	76
Rebuilding of burned factories, etc.,								9	22
Removals to larger quarters,								-	48
Resumption of business after protracted	i sh	utdo	wns,					35	18
Use of important new inventions, .								4	10
Changes from private firm to corporation	on,					•		4	22
Changes in firms, firm names, etc., .								6	68

CLASSIFICATION OF CHANGES, REMOVALS, FIRES, ETC.	NUMBER OF ES- TABLISHMENTS REPORTING SPECI- FIED CHANGES, REMOVALS, SUS- PENSIONS, FIRES, ETC.						
						1896	1891
Changes in character of product,						3	6
Changes in character of machinery,						13	11
Changes from hand to machine lasting in Boots and S	hoe	s,				_ ·	5
Consolidations of firms,						21	2
Increases in capital stock,					٠.	5	7
Removals of firms and industries to Massachusetts fr	om (	other	Stat	es,		3	15
Removals of firms and industries from Massachusetts	to	othei	Stat	es,		8	10
Reduction in number of employés,						_	1
Increases in number of employés,						_	5
Suspensions for vacations and brief stoppages, .						73	174
Suspensions indefinite as to duration,						31	31
Suspensions for curtailment of production,						91	7
Suspensions on account of low water,						-	29
Suspensions on account of dull trade,						_	21
Suspensions on account of strikes and lockouts, .						l -	8
Suspensions on account of accidents to machinery,						2	20
Suspensions for repairs and improvements,						29	72
Suspensions on account of shortage of raw materials,						5	2
Suspensions on account of litigation,						1	-
Suspensions (permanent),						10	20
Retirement from business (no successors),						_	11
Dissolution of corporations,						3	3
Auction sales of industries or plants,						11	7
Sales of plants in whole or in part,						16	79
Sales of plants to syndicates or trusts,						7	8
Fires during year,						-	214
Deaths of manufacturers,						-	82
Purchase of beds in hospitals by corporations for inju-			14	_		6	

A few examples as to the method of reading this table will be sufficient. In 1891, there were 94 instances of firms or industries being established which were new to the towns from which the reports were received. The third line shows that, so far as reported, there were 100 new buildings erected in 1891 for manufacturing purposes; this does not include the construction of new wings, boiler houses, or similar additions to factories already built; items of this nature are included in the fifth line, "Other additions to plant." In the thirteenth line, "Changes in firms, firm names, etc.," is indicated the number of reported changes in copartnership, the taking in of new partners, the dropping out of old partners, and changes in style of firm names. Permanent dissolutions of firms, etc., are recorded in the lines "Suspensions (permanent)," "Retirement from business (no successors)," and "Dissolution of corporations."

In the following table, we present, by months, the suspensions as recorded in the preceding table, for the year 1891:

					CAUSES OF SUSPENSIONS									
MONTHS.					Vaca- tions	Indefi- nite; Strikes	Ac- cidents; Low Water	Repairs and Improve- ments	Curtail- ment; Dull Trade; Shortage of Materials	Per- manent; Retire- ment; Dissolu- tions	Totals			
January, .					9	1	2	8	1	5	26			
February, .					1	8	4	2	1	3	19			
March, .					18	1	1	9	1	-	30			
April, .					8.	8	1	8	3	4	17			
Мау,					3	4	1	2	1	-	11			
June,					9	6	2	6	3	3	29			
July,		•			74	4	2	16	5	3	104			
August, .					8	6	6	4	6	5	35			
September,					8	2	8	3	1	-	17			
October, .					8	1	13	13	4	2	41			
November,					10	1	6	4	1	4	26			
December,				•	23	2	8	2	3	5	43			
Totals,					174	39	49	72	30	34	398			

Certain condensations have necessarily been made in the second, third, fifth, and sixth columns in the above table, in order to keep the presentation within proper limits. In the second column the indefinite suspensions and those caused by strikes and lockouts have been consolidated; the latter occurred in the following months: in February, 2; March, 1; April, 1; May, 1; June, 1; and July, 2. In the third column are combined suspensions on account of accidents to machinery and those caused by low water; the latter affected establishments in the following months: August, 6; September, 1; October, 11; November, 5; and December, 6. In the fifth column are included suspensions caused by curtailment of production, dull trade, and shortage of raw materials; curtailment of production was made by one establishment each in February, March, May, and December, and by three in August; shortage of raw materials occurred in one establishment in January and one in October. In the sixth column are included all the total shutdowns and suspensions, as follows: Permanent - January, 5; February, 2; June, 2; July, 2; August, 2; October, 1; November, 4; and December, 2. Retirement (no successors): April, 3; June, 1; July, 1; August, 2; October, 1; and December, 3. Dissolutions: February, 1; April, 1; and August, 1.

The 214 fires which are reported as having occurred during the year 1891 were distributed through the following months:

Months.							Number of Fires								
January,							20	July,							19
February,							22	August,							19
March,							22	Septembe	er,						10
April, .							23	October,							11
Мау, .							17	Novembe	r,		•				25
June, .							13	Decembe	r.						13



